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A Handbook

of

# Dairy Statistics



United States  
Department of Agriculture  
Washington, D.C.

1933





United States  
Department of Agriculture

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A Handbook  
of  
Dairy Statistics

By

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## FOREWORD

This Handbook of Dairy Statistics supplements<sup>1</sup> the handbook published in 1928, which was a revision of an earlier publication of the Bureau of Animal Industry. (A.I. 37, by T. R. Pirtle, 1922.) This handbook contains data for recent years, figures comparable to which, for earlier years, are available in the 1928 edition. Some original series then available have been discontinued. Several new tables have been made up from data that have been developed in recent years. Tables relating to foreign production and trade have been rearranged and for the most part are limited to series beginning with 1927.

Original sources and final figures have been used, as far as these were available. Preliminary figures have been used for late data as noted in the tables. Annual figures are for the calendar year except as noted.

Official statistics have been used in some of the tables as broadly comparable and generally useful, even though it is recognized that changes in definitions used at different periods render comparisons less precise than might be desired for careful work. It has been considered impracticable to make all the adjustments that would be needed to reconcile all figures apparently much alike. Readers are urged to exercise discretion in making new arrangements of data from the several tables credited to different sources.

Units of weight used to convert foreign or metric weights to United States pounds are:

	<i>Pounds</i>
1 kilogram.....	2.2046
1 quintal.....	220.46
1 poud (Russian).....	36.1128
1 hundredweight (English).....	112

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<sup>1</sup> Acknowledgment is made to E. W. Gaumnitz, G. W. Sprague, and J. B. Shepard for assistance in the preparation of the statistics.

# A HANDBOOK OF DAIRY STATISTICS

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TABLE 1.—*Dairy cows and other cattle on farms in the United States, 1840 to 1930*

Year	Milk cows on farms <sup>1</sup>	Other cattle on farms <sup>2</sup>	Year	Milk cows on farms <sup>1</sup>	Other cattle on farms <sup>2</sup>
	<i>Number</i>	<i>Number</i>		<i>Number</i>	<i>Number</i>
1840 <sup>3</sup> -----	4, 837, 043	10, 171, 586	1900-----	17, 135, 633	50, 583, 777
1850 <sup>3</sup> -----	6, 385, 094	11, 393, 813	1910-----	17, 125, 471	44, 678, 395
1860-----	8, 585, 735	14, 779, 373	1920-----	19, 675, 297	46, 964, 259
1870-----	8, 935, 332	13, 566, 005	1925-----	17, 644, 867	43, 115, 499
1880-----	12, 443, 120	22, 488, 550	1930-----	20, 498, 955	43, 396, 871
1890-----	16, 511, 950	33, 734, 128			

Bureau of the Census. Census dates were June 1, 1840 to 1900; Apr. 15, 1910; Jan. 1, 1920 and 1925; Apr. 1, 1930.

<sup>1</sup> Prior to 1900 no distinction is made between number of cows kept for milk and all cows milked ("dairy cows"). Data for Census periods after 1900 represent cows kept for milk.

<sup>2</sup> Calculated from Census data by subtracting number of "dairy cows" from all cattle on farms.

<sup>3</sup> As given in U.S. Department of Agriculture Bulletin No. 11.

TABLE 2.—*Milk: Production on farms in the United States*

Year	Production	Remarks
	<i>Gallons</i>	
1889-----	5, 210, 125, 567	Includes estimates for incomplete reports. Do. Do. Do.
1899-----	7, 265, 804, 304	
1909-----	7, 466, 406, 384	
1919-----	7, 805, 143, 792	
1924-----	9, 198, 303, 635	
1929-----	11, 052, 023, 357	

Bureau of the Census.

TABLE 3.—*Milk: Average yield per cow per year in various countries*

Country	Year	Milk yield
		<i>Pounds</i>
Friesland (Netherlands) .....	1922	9, 632
Normandy (France) .....	1928	8, 282
Denmark .....	1931	7, 300
Netherlands .....	1923	6, 800
Switzerland .....	1930	6, 600
Germany .....	1931	5, 614
Iceland .....	1930	5, 291
New Zealand .....	1927	<sup>1</sup> 5, 131
Irish Free State .....	1930	5, 016
England .....	1930	4, 965
Sweden .....	1931	4, 850
Latvia .....	1930	4, 850
France .....	1929	4, 278
Austria .....	1926	4, 677
United States .....	1929	<sup>1</sup> 4, 499
Scotland .....	1930	4, 429
Hungary .....	1930	4, 327
Ireland (all) .....	1921	4, 325
Estonia .....	1931	4, 176
Czechoslovakia .....	1928	4, 058
Canada .....	1930	4, 010
Finland .....	1929	3, 918
Norway .....	1930	3, 307
Italy .....	1927	2, 976
Rumania .....	1930	2, 970
Poland .....	1928	2, 866
Russia (U.S.S.R.) .....	1928	2, 318
Chile .....	1927	2, 132

Consular Service and Foreign Agricultural Service reports excepting for United States.

<sup>1</sup> Approximated by using the official figure, 218.05 pounds of butterfat, as an average yield for the year and assuming 4.25 percent fat in milk.

<sup>2</sup> Calculated from Census for year 1929. See also table 26.



TABLE 4.—*Whole milk: Per capita consumption per year in various countries*

Country	Year	Per capita consumption
		<i>Gallons</i>
Finland.....	1928	83.9
Switzerland.....	1927	70.4
Norway.....	1927	56.0
United States <sup>1</sup> .....	1931	40.0
Canada.....	1927	51.0
Netherlands.....	1929	42.7
New Zealand.....	1927	37.4
Australia.....	1926	37.1
Czechoslovakia.....	1930	32.0
Austria.....	1932	30.1
France.....	1931	29.5
Great Britain.....	1922	25.0
Germany.....	1930	24.0
Denmark.....	1927	22.0
Spain.....	1925	13.8
Chile.....	1927	7.2
Japan.....	1926	.4

Consular Service and Foreign Agricultural Service reports except for United States.

<sup>1</sup> Consumption of milk and cream (reduced to milk equivalent) in cities and villages only. (See also table 61.)

TABLE 5.—*Butter: Per capita consumption per year in various countries*

Country	Year	Per capita consumption
		<i>Pounds</i>
New Zealand.....	1930	36.18
Canada.....	1930	30.3
Australia.....	1930	29.8
Netherlands.....	1930	19.6
United States.....	1931	18.00
Sweden.....	1923	16.5
Germany.....	1929	16.5
Great Britain.....	1927	16.0
Denmark.....	1931	14.6
Switzerland.....	1930	13.4
Union of South Africa.....	1927	<sup>1</sup> 12.0
Norway.....	1927	9.6
Czechoslovakia.....	1931	9.0
France.....	1931	8.5
Finland.....	1931	6.35
Russia (U.S.S.R.).....	1928	5.4
Austria.....	1928	3.3
Italy.....	1928	2.8
Argentina.....	1931	2.25

Consular Service and Foreign Agricultural Service reports excepting for United States.

<sup>1</sup> White people only.



TABLE 6.—*Cheese: Per capita consumption per year in various countries*

Country	Year	Per capita consumption
		<i>Pounds</i>
Switzerland.....	1930	16.1
Netherlands.....	1930	14.3
Denmark.....	1931	13.06
Italy.....	1928	12.1
Norway.....	1929	10.77
Germany.....	1928	10.6
France.....	1931	10.5
Sweden.....	1929	10.2
Great Britain.....	1930	8.52
Czechoslovakia.....	1928	4.9
New Zealand.....	1930	4.8
United States.....	1931	4.5
Australia.....	1930	4.3
Union of South Africa.....	1927	<sup>1</sup> 4.0
Argentina.....	1930	<sup>2</sup> 4.0
Austria.....	1930	3.78
Canada.....	1930	3.7
Chile.....	1927	1.8
Finland.....	1931	<sup>2</sup> 1.23

Consular Service and Foreign Agricultural Service reports excepting United States.

<sup>1</sup> White people only.

<sup>2</sup> Factory product only.

TABLE 7.—*Population of various countries*

Country	Year	Population
Argentina.....	1931	<sup>1</sup> 11, 658, 717
Australia.....	1931	<sup>1</sup> 6, 525, 920
Austria.....	1931	6, 732, 625
Belgium.....	1931	<sup>1</sup> 8, 159, 185
Bulgaria.....	1931	6, 066, 630
Canada.....	1931	<sup>1</sup> 10, 376, 786
China.....	1931	<sup>1</sup> 452, 791, 069
Czechoslovakia.....	1931	<sup>1</sup> 14, 823, 470
Denmark.....	1931	3, 566, 000
Estonia.....	1931	1, 119, 500
Finland.....	1930	3, 667, 067
France.....	1931	41, 860, 000
Germany.....	1931	65, 441, 000
Greece.....	1931	6, 480, 000
Great Britain.....	1931	44, 831, 000
Hungary.....	1931	8, 734, 206
India.....	1931	352, 756, 837
Irish Free State.....	1931	2, 957, 000
Italy.....	1931	41, 490, 000
Japan.....	1931	65, 366, 500
Latvia.....	1931	1, 920, 069
Lithuania.....	1931	<sup>1</sup> 2, 392, 983
Netherlands.....	1931	8, 061, 808
New Zealand.....	1931	1, 521, 888
North Ireland.....	1931	1, 246, 000
Norway.....	1931	2, 831, 267
Poland.....	1931	32, 176, 000
Rumania.....	1930	<sup>3</sup> 18, 052, 896
Russia (U.S.S.R.).....	1931	163, 166, 100
Spain.....	1930	<sup>1</sup> 23, 656, 000
Sweden.....	1931	6, 162, 446
Switzerland.....	1931	4, 077, 099
Union of South Africa.....	1931	<sup>2</sup> 8, 132, 600
United States.....	1931	<sup>4</sup> 124, 070, 000
Yugoslavia.....	1931	<sup>1</sup> 14, 086, 408

International Yearbook of Agricultural Statistics, 1931-32.

<sup>1</sup> Official estimate.<sup>2</sup> White and native.<sup>3</sup> Census.<sup>4</sup> Census estimate as of July 1.

TABLE 8.—*Butter: Styles and weights of containers in various countries*

Country	Style of package	Net weight of butter
		<i>Pounds</i>
Argentina.....	Boxes.....	56
Assyria.....	Cases (in tins).....	100
Baltic countries:		
Estonia.....	Casks.....	112
Latvia.....	do.....	112
Lithuania.....	do.....	112
Baltic.....	Boxes.....	56
Canada.....	do.....	56
Denmark.....	Casks.....	112
Holland.....	do.....	112
Ireland.....	Firkins.....	70
Do.....	Pyramids.....	56
Do.....	Casks.....	112
Do.....	Boxes.....	56
Italy.....	Cases (in tins).....	100-220
New Zealand.....	Boxes.....	56
Norway.....	Firkins.....	70
Siberia.....	Casks.....	<sup>1</sup> 90-186
Sweden.....	do.....	112
United States.....	Boxes—solid packed.....	66-68
Do.....	Boxes—prints.....	20-30-50
Do.....	Tubs.....	62-64
Australia.....	Box.....	56

<sup>1</sup> Average 116.

TABLE 9.—*Butter: Classes of butter in the United States and size of packages*

CLASSES OF BUTTER

1. Dairy butter is butter made on a farm.
2. Creamery butter is butter made in a creamery or factory.
3. Packing stock butter is dairy butter or other butter in its original form in miscellaneous lots of such wholesomeness that it may be used in making ladled or process butter.
4. Ladled butter is the product made by reworking miscellaneous lots of dairy butter or other butter, or both.
5. Process or renovated butter is the product of melting, refining, and churning or reworking packing stock or other butter, or both.
6. Grease butter is any butter which is unwholesome or otherwise unfit for use for ladling or renovating.

SIZES OF PACKAGES

Print (1 pound):  $2\frac{1}{2}$  by  $2\frac{1}{2}$  by  $4\frac{5}{8}$  inches.

Cube (68 pounds):  $12\frac{1}{4}$  by  $12\frac{1}{4}$  by  $13\frac{1}{2}$  inches.

Standard tub<sup>1</sup> (63–64 pounds) (inside):  $12\frac{1}{8}$ -inch bottom,  $14\frac{3}{4}$ -inch top,  $13\frac{3}{4}$ -inch vertical depth.

<sup>1</sup> Standard tub officially approved but not finally adopted by the industry.

TABLE 10.—*United States official grades of American Cheddar cheese and score card*

GRADES OF AMERICAN CHEDDAR CHEESE

- U.S. Extra Fancy, scoring 95 or above.  
 U.S. Fancy, scoring 92 to 94, inclusive.  
 U.S. No. 1, scoring 89 to 91, inclusive.  
 U.S. No. 2, scoring 86 to 88, inclusive.  
 U.S. No. 3, scoring 83 to 85, inclusive.  
 Culls, scoring below 83.

AMERICAN CHEDDAR CHEESE SCORE CARD

	<i>Points</i>
Flavor.....	30
Body and texture.....	40
Finish and appearance.....	20
Color.....	10
Total.....	100

TABLE 11.—*Milk solids: Approximate quantity of solids in various dairy products*

Product	Milk solids (including fat)
<b>Milk:</b>	<i>Percent</i>
Whole milk.....	13.0
Skim milk.....	9.2
Condensed, sweetened (legal) <sup>1</sup> .....	28.0
Condensed and evaporated, not sweetened (legal).....	25.5
Condensed and evaporated skim milk, sweetened (legal).....	28.0
<b>Powder:</b>	
Whole milk (legal).....	<sup>2</sup> 95.0
Skim milk (legal).....	95.0
Cream.....	95.0
Malted (7½ percent fat).....	25.0
Buttermilk.....	95.0
Sugar.....	72.7
Chocolate.....	12.0
Whey.....	7.0
Buttermilk.....	8.4
<b>Cream:</b>	
20 percent fat.....	26.7
40 percent fat.....	43.5
Butter, 80 percent fat.....	81.0
<b>Cheese:</b>	
Cheddar (milk with 4 percent fat).....	63.0
Cottage.....	62.6
<b>Ice cream:</b>	
10 percent fat.....	20.0
14 percent fat.....	20.0

<sup>1</sup> U.S. Department of Agriculture, B.A.I. Circular 36.

<sup>2</sup> The moisture content of whole and skimmed milk powder commercially is about 3 percent.

TABLE 12.—*Cheese: Sizes and weights of various kinds of cheeses and number of cheeses in shipping crate or box*

Kinds	Average weight	Approximate size, inches	Number in a box or crate
Brick.....	5 lbs.....	2 by 5 by 10.....	11 to a box.
Brie.....	4 ozs.....	6 by 6 by 2 triangle.	12 to a box.
Caciocavallo.....	6 to 8 lbs.....	3 by 12 bottle.....	6 to a case.
Camembert.....	1½ ozs.....	2 by 2 by 1½ triangle.	6 to a box.
Cheddar.....	70 lbs.....	13 diameter by 15½.	1 to a box.
Cream.....	5 lbs.....	12 by 4 by 4.....	Do.
Daisies.....	22 lbs.....	4 high 14 diameter.	Do.
Edam.....	4 lbs.....	6 diameter, round.	12 to a box.
Emmenthal (Swiss)...	125 to 225 lbs...	30 by 38 by 6-8...	4 in a tub.
Flats.....	30 to 33.....	14½ diameter by 5½.	1 to a box.
Gruyere.....	8 ozs.....	3 by 3 by 1½ triangle.	12 to a box.
Limburger.....	1 and 2 lbs.....	1½ by 1½ by 6...	60 to a case.
Longhorns.....	10 to 16 lbs.....	6 diameter by 12.	4 to a box.
Munster.....	5 lbs.....	3 by 7.....	18 to a box.
Neufchatel.....	2½ ozs.....	2 by 1.....	25 to a box.
Parmesan.....	50 lbs.....	24 diameter by 6.	4 to a tub.
Pecorino (Romano)...	18 lbs.....	12 diameter by 8...	8 to a case.
Philadelphia cream...	3 ozs.....	3 by 2 by 1.....	12 to a box.
Provolono.....	7 lbs.....	6 to 8 oval.....	20 to a box.
Roquefort.....	5 lbs.....	8 diameter by 2...	12 to a box.
Sap Sago.....	4 ozs.....	1½ by 2 diameter.	400 to a case.
Square prints.....	10 lbs.....	12 by 5½ by 4½...	2 to a box.
Stilton.....	15 lbs.....	14 by 15 by 6½...	6 to case.
Young Americas.....	11 lbs.....	7 diameter by 7...	4 to a box.

NOTE.—A number of the cheeses have wide variations. This table is taken from actual products found on the New York market in 1933.



TABLE 13.—*Butter: Standards for butterfat and limits of moisture in butter in various countries*

Country	Butterfat (mini- mum)	Moisture (maxi- mum)
	<i>Percent</i>	<i>Percent</i>
Canada.....	80	16
Denmark (Lur brand).....	80	16
Estonia (export).....	80	16
Finland (export).....	80	16
Hungary.....	84	14.5
Irish Free State (export).....		16
Latvia (export).....		16
Lithuania (export).....		16
Netherlands.....		15.5
Poland (export).....		16
Russia (U.S.S.R.) (export).....	82-84	15.5
Sweden (Rune brand).....		16
South Africa (export).....		16
United States.....	80	-----
New Zealand.....	80	16

Institut für landwirtschaftliche Marktforschung, Blätter für land wirtschaftliche Marktforschung, Monthly, Berlin, vol. 2, no. 6, 1931, p. 235.

TABLE 14.—*Milk and cream: Approximate weights at various temperatures per gallon*

Tempera- ture, degrees Fahrenheit	Skim milk	4 per- cent milk	20 per- cent cream	25 per- cent cream	30 per- cent cream	35 per- cent cream	40 per- cent cream
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
40.....	8.660	8.610	8.540	8.500	8.470	8.450	8.420
45.....	8.655	8.605	8.525	8.485	8.450	8.425	8.395
50.....	8.650	8.600	8.510	8.470	8.430	8.400	8.370
55.....	8.645	8.595	8.495	8.450	8.410	8.375	8.345
60.....	8.640	8.590	8.480	8.435	8.390	8.350	8.320
65.....	8.635	8.585	8.460	8.420	8.370	8.330	8.295
70.....	8.630	8.580	8.450	8.400	8.350	8.310	8.270
75.....	8.625	8.570	8.435	8.385	8.330	8.290	8.250
80.....	8.620	8.565	8.420	8.370	8.315	8.270	8.230
85.....	8.610	8.560	8.405	8.355	8.295	8.250	8.210
90.....	8.600	8.550	8.390	8.340	8.280	8.230	8.190
95.....	8.590	8.535	8.380	8.325	8.265	8.215	8.170
100.....	8.580	8.520	8.370	8.310	8.250	8.200	8.150
105.....	8.570	8.510	8.360	8.300	8.240	8.190	8.140
110.....	8.555	8.500	8.350	8.290	8.230	8.175	8.125
115.....	8.542	8.485	8.335	8.280	8.215	8.165	8.110
120.....	8.530	8.475	8.325	8.270	8.205	8.155	8.100
125.....	8.517	8.465	8.315	8.260	8.195	8.145	8.090
130.....	8.505	8.450	8.300	8.250	8.185	8.130	8.070
135.....	8.490	8.440	8.290	8.240	8.170	8.120	8.065
140.....	8.480	8.430	8.280	8.230	8.160	8.110	8.050
145.....	8.470	8.420	8.270	8.220	8.150	8.100	8.045

Bureau of Dairy Industry.  
Computed in 1927.

TABLE 15.—*Butter produced cooperatively*

Year	Associa- tions re- porting	Cooperative production of butter	Percent- age of all creamery butter
	<i>Number</i>	<i>Pounds</i>	<i>Percent</i>
1926 .....	1, 480	497, 961, 000	34. 3
1928 .....	1, 517	520, 592, 000	35. 0
1929 .....	1, 511	540, 688, 000	33. 9
1930 .....	1, 464	563, 909, 000	35. 4
1931 .....	1, 473	599, 926, 000	36. 3

Federal Farm Board.

Statistics of Farmers' Selling and Buying Associations United States,  
1863-1931.TABLE 16.—*Cheese produced cooperatively*

Year	Associa- tions re- porting	Cooperative production of cheese	Percent- age of all cheese made
	<i>Number</i>	<i>Pounds</i>	<i>Percent</i>
1926 .....	792	139, 113, 000	32. 5
1928 .....	788	132, 955, 000	30. 4
1929 .....	758	118, 850, 000	24. 6
1930 .....	778	129, 545, 000	25. 3
1931 .....	774	129, 671, 000	26. 3

Federal Farm Board.

Statistics of Farmers' Selling and Buying Associations United States,  
1863-1931.



TABLE 17.—*Statistics of cow-testing associations of various countries*

Country	Year	Cows on test	Average milk yield cows on test	Percentage of dairy cows on test
		<i>Number</i>	<i>Pounds</i>	<i>Percent</i>
Germany.....	1931	1,034,000	8,732	11.0
Denmark.....	1929	596,370	8,014	38.5
United States.....	1930	510,714	7,608	2.2
New Zealand.....	1930	300,000	-----	20.0
Sweden.....	1930	276,000	5,042	14.8
Finland.....	1931	255,163	5,736	18.0
England and Wales.....	1929	140,210	7,110	9.0
Latvia.....	1931	123,000	5,548	19.0
Australia.....	1931	95,408	<sup>1</sup> 5,825	-----
Norway.....	1930	76,430	5,243	10.2
Canada.....	1930	63,336	-----	1.72
Irish Free State.....	1929	55,600	6,090	4.5
Estonia.....	1929	42,487	5,462	10.5
Scotland.....	1930	30,720	-----	18.0
South Africa.....	1930	25,000	8,000	-----
Hungary.....	1929	21,544	6,971	3.3
Lithuania.....	1930	16,426	4,576	2.4
North Ireland.....	1930	14,570	6,966	5.7
Bulgaria.....	1930	1,478	4,976	-----
Rumania.....	1930	-----	6,879	-----

Consular Service and Foreign Agricultural Service reports, excepting for United States.

<sup>1</sup> Approximated from butterfat yield (233 pounds), assuming 4 percent milk.

TABLE 18.—*Yearly records of dairy herd-improvement associations in the United States* <sup>1</sup>

Items	476 associations, 1925-26	656 associations, 1927-28	942 associations, 1929-30	892 associations, 1930-31
Number of cow-years <sup>2</sup> .....	124, 337	201, 590	315, 359	287, 340
Average pounds of milk .....	7, 324	7, 464	7, 608	7, 784
Average butterfat (percent) .....	3. 9	3. 9	4. 0	3. 9
Average pounds of fat .....	289	295	302	305
Average price of butterfat .....	\$0. 59	\$0. 66	\$0. 64	\$0. 56
Average price of product .....	170. 78	193. 00	194. 00	171. 00
Average cost of roughage .....	36. 18	39. 00	39. 00	41. 00
Average cost of grain .....	31. 33	38. 00	41. 00	39. 00
Average total cost of feed .....	69. 51	77. 00	80. 00	80. 00
Average income over cost of feed .....	101. 27	116. 00	114. 00	91. 00
Average return per \$1 expended for feed .....	2. 46	2. 42	2. 42	2. 14

Bureau of Dairy Industry.

<sup>1</sup> Dairy-herd improvement associations were formerly called "cow-testing associations."

<sup>2</sup> A cow-year may be the record of 1 cow on test 12 months, or it may be made up of the records of 2 or more cows, the sum of whose testing periods equals 12 months.

TABLE 19.—*Number of dairy herd improvement and bull associations in the United States*

Year ended July 1—	Herd improve- ment associa- tions	Bull associa- tions	Year ended July 1—	Herd improve- ment associa- tions	Bull associa- tions
1911-----	64	11	1922-----	513	190
1912-----	82	11	1923-----	627	218
1913-----	100	12	1925 <sup>1</sup> -----	732	220
1914-----	163	14	1926-----	777	225
1915-----	211	15	1927-----	837	248
1916-----	346	24	1928-----	947	235
1917-----	459	36	1929-----	1,090	339
1918-----	353	44	1930-----	1,143	296
1919-----	385	78	1931-----	1,112	359
1920-----	468	123	1932-----	1,005	403
1921-----	452	158	1933-----	881	342

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<sup>1</sup> No record made for 1924, and year was changed to Jan. 1.

Number of bulls per bull association, average in each of the 3 years 1918, 1919, 1920, was 5.

Number of cows per bull association, average for the 3-year period, 233.

Number of cows per block in bull associations, average for the 3-year period, 48.

Number of members per bull association, average for the 3-year period, 38.

Number of herds per cow-testing association, average for the 3-year period, 26.2.

Number of cows per cow-testing association, average for the 3-year period, 448.

TABLE 20.—*Cattle tested for tuberculosis for interstate movement, 1921 to 1932*

Year ended June 30	By Bureau of Animal Industry veterinarians			By approved veterinarians		
	Cattle tested	Number reactors	Percent reactors	Cattle tested	Number reactors	Percent reactors
1921-----	36,208	675	1.9	242,708	3,999	1.2
1922-----	35,485	653	1.8	149,548	2,777	1.9
1923-----	37,801	601	1.6	200,636	2,447	1.2
1924-----	41,419	661	1.6	235,970	2,223	.9
1925-----	48,360	873	1.8	279,199	2,278	.8
1926-----	72,860	1,513	2.0	355,836	2,438	.7
1927-----	58,526	991	1.7	382,432	2,219	.6
1928-----	50,263	768	1.5	404,947	2,025	.5
1929-----	45,497	537	1.2	419,377	1,538	.4
1930-----	41,299	263	.6	297,313	1,132	.4
1931-----	28,543	148	.5	221,105	492	.2
1932-----	39,159	87	.2	227,083	500	.2

Bureau of Animal Industry.

These shipments were mainly for dairy and breeding purposes and not for immediate slaughter, although occasional small consignments of feeder cattle may be included.

TABLE 21.—*Tuberculosis eradication: Number of accredited, once tested and under supervision, herds and cattle, to March 1, 1933.*

State or territory	Total once-tested- free		Total accredited <sup>1</sup>		Total under supervision	
	Herds	Cattle	Herds	Cattle	Herds	Cattle
Alabama-----	65,037	368,852	316	16,731	65,353	385,583
Arizona-----	8,985	108,646	46	2,691	9,099	113,867
Arkansas-----	28,555	180,807	9	444	28,564	181,251
California-----	21,227	503,797	123	9,691	21,921	615,727
Colorado-----	13	1,389	44	1,530	68	4,483
Connecticut---	2,189	21,233	7,671	97,104	10,239	128,289
Delaware-----	4,854	16,743	2,128	30,370	7,443	53,470
District of Col- umbia-----	45	250	2	563	46	825
Florida-----	15,050	61,207	91	6,559	15,549	74,649
Georgia-----	122,858	255,301	36	2,783	122,894	258,084
Idaho-----	51,359	596,807	42	2,346	51,420	600,314
Illinois-----	86,073	635,714	5,831	176,423	240,637	2,028,051
Indiana-----	182,541	1,166,531	2,576	54,266	187,397	1,241,059
Iowa-----	100,000	2,000,000	1,709	54,927	200,000	3,000,000

TABLE 21.—*Tuberculosis eradication: Number of accredited, once tested and under supervision, herds and cattle, to March 1, 1933—Continued*

State or territory	Total once-tested-free		Total accredited		Total under supervision	
	Herds	Cattle	Herds	Cattle	Herds	Cattle
Kansas.....	118, 646	1, 255, 503	564	21, 644	119, 190	1, 276, 152
Kentucky.....	132, 601	748, 681	20	1, 111	135, 133	768, 636
Louisiana.....	5, 449	100, 891	8	592	5, 760	113, 039
Maine.....	43, 041	223, 448	745	14, 923	43, 817	238, 761
Maryland.....	22, 558	79, 762	13, 452	173, 209	44, 410	279, 848
Massachusetts	10, 104	69, 959	5, 803	70, 891	17, 162	156, 062
Michigan.....	196, 476	1, 641, 874	57	3, 188	196, 646	1, 645, 574
Minnesota.....	143, 694	2, 342, 146	4, 461	107, 141	149, 226	2, 474, 593
Mississippi.....	28, 704	273, 695	14	1, 339	28, 737	275, 914
Missouri.....	114, 503	1, 075, 186	177	8, 477	127, 045	1, 144, 214
Montana.....	42, 031	514, 924	92	5, 704	42, 119	520, 673
Nebraska.....	88, 106	1, 198, 348	88	5, 208	88, 221	1, 205, 970
Nevada.....	4, 536	121, 253	4	197	5, 255	121, 535
New Hamp- shire.....	6, 735	37, 772	9, 633	110, 935	16, 416	149, 418
New Jersey....	3, 966	20, 527	8, 994	89, 605	14, 362	156, 119
New Mexico....	6, 100	67, 421	27	2, 019	6, 263	72, 351
New York.....	38, 610	318, 960	84, 926	1, 108, 541	130, 982	1, 551, 924
North Caro- lina.....	256, 582	670, 806	289	9, 042	256, 871	679, 848
North Dakota..	73, 237	1, 260, 150	5, 481	113, 161	85, 953	1, 547, 412
Ohio.....	242, 011	1, 711, 559	541	16, 170	243, 561	1, 745, 509
Oklahoma.....	24, 443	261, 376	206	12, 836	24, 660	276, 355
Oregon.....	77, 038	602, 025	1, 124	29, 362	78, 183	631, 391
Pennsylvania..	135, 095	760, 823	8, 282	143, 489	164, 834	1, 308, 039
Rhode Island..	669	8, 748	344	3, 984	1, 294	15, 695
South Caro- lina.....	77, 634	234, 591	126	5, 436	77, 767	241, 550
South Dakota..	9, 407	192, 371	953	26, 684	10, 619	224, 245
Tennessee.....	158, 196	823, 383	60	3, 761	158, 340	828, 876
Texas.....	37, 112	285, 292	219	12, 565	37, 796	329, 899
Utah.....	5, 490	63, 377	120	4, 291	5, 977	69, 503
Vermont.....	3, 827	59, 093	11, 825	221, 873	17, 243	320, 271
Virginia.....	126, 323	489, 336	697	57, 020	127, 276	556, 046
Washington....	50, 857	458, 758	64	3, 330	64, 602	562, 521
West Virginia..	104, 243	420, 307	639	14, 657	106, 048	488, 498
Wisconsin.....	182, 677	3, 151, 611	9, 007	251, 396	193, 248	3, 445, 433
Wyoming.....	12, 916	152, 579	5	390	14, 514	154, 171
Hawaii.....					600	11, 000
Total.....	3, 272, 408	27, 613, 812	189, 671	3, 110, 599	3, 800, 760	34, 272, 697

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<sup>1</sup> An accredited herd is one which has been officially declared free from tuberculosis.



TABLE 22.—*Cows and heifers 2 years old and older, kept for milk, on farms Jan. 1, 1927-32*

State and division	1927	1928	1929	1930	1931	1932
	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>
Maine.....	147	138	135	136	140	146
New Hampshire.....	76	75	74	75	79	81
Vermont.....	278	279	276	277	288	294
Massachusetts.....	138	136	132	132	131	134
Rhode Island.....	21	20	20	21	21	21
Connecticut.....	106	101	101	103	108	114
New York.....	1,300	1,306	1,306	1,330	1,370	1,411
New Jersey.....	114	117	117	118	119	120
Pennsylvania.....	820	820	810	835	860	886
N. Atlantic.....	3,000	2,992	2,971	3,027	3,116	3,207
Ohio.....	914	875	867	900	910	938
Indiana.....	680	686	693	702	722	751
Illinois.....	1,018	987	977	1,026	1,057	1,089
Michigan.....	784	775	785	800	825	850
Wisconsin.....	1,975	1,940	1,925	2,015	2,096	2,150
Minnesota.....	1,551	1,525	1,539	1,595	1,643	1,708
Iowa.....	1,352	1,368	1,384	1,400	1,414	1,471
Missouri.....	817	826	877	930	989	1,030
North Dakota.....	504	504	516	540	567	624
South Dakota.....	556	557	560	577	589	607
Nebraska.....	669	676	676	680	680	700
Kansas.....	775	760	760	780	811	843
N. Central.....	11,595	11,479	11,559	11,945	12,303	12,761
Delaware.....	34	34	33	33	33	35
Maryland.....	176	177	178	180	184	186
Virginia.....	355	360	367	375	383	394
West Virginia.....	200	202	204	210	214	218
North Carolina.....	296	294	285	285	299	309
South Carolina.....	153	149	145	140	140	145
Georgia.....	330	322	315	320	329	342
Florida.....	85	85	85	86	86	90
S. Atlantic.....	1,629	1,623	1,612	1,629	1,668	1,719
Kentucky.....	476	496	512	498	508	528
Tennessee.....	440	450	461	468	487	507
Alabama.....	350	348	353	360	371	390
Mississippi.....	395	405	415	430	455	496
Arkansas.....	370	364	370	372	383	421
Louisiana.....	219	231	238	240	247	260
Oklahoma.....	594	623	631	650	682	716
Texas.....	1,105	1,105	1,160	1,202	1,238	1,312
S. Central.....	3,949	4,022	4,140	4,220	4,371	4,630

TABLE 22.—*Cows and heifers 2 years old and older, kept for milk, on farms Jan. 1, 1927-32—Con.*

State and division	1927	1928	1929	1930	1931	1932
	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>
Montana.....	185	183	190	193	193	195
Idaho.....	168	170	173	178	187	194
Wyoming.....	69	70	71	72	72	72
Colorado.....	257	257	258	259	260	266
New Mexico.....	66	67	68	69	69	70
Arizona.....	34	35	37	38	40	42
Utah.....	95	100	104	108	111	111
Nevada.....	20	20	20	21	21	21
Washington.....	265	270	270	280	288	300
Oregon.....	214	216	220	229	240	250
California.....	613	625	637	642	637	631
Western.....	1, 986	2, 013	2, 048	2, 089	2, 118	2, 152
United States..	22, 159	22, 129	22, 330	22, 910	23, 576	24, 469

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TABLE 23.—*Milk: Production on farms, by States, 1919, 1924, and 1929*

State	1919	1924	1929
	<i>Gallons</i>	<i>Gallons</i>	<i>Gallons</i>
Alabama.....	93, 903, 677	95, 364, 944	123, 548, 606
Arizona.....	14, 370, 833	18, 415, 661	21, 004, 609
Arkansas.....	87, 623, 651	98, 768, 944	128, 568, 652
California.....	276, 424, 216	340, 308, 805	445, 530, 009
Colorado.....	79, 492, 631	96, 649, 262	121, 905, 777
Connecticut.....	54, 894, 287	65, 631, 205	64, 137, 369
Delaware.....	11, 356, 313	13, 037, 034	14, 756, 728
District of Columbia.....	512, 074	480, 732	503, 619
Florida.....	12, 155, 533	19, 264, 854	26, 283, 944
Georgia.....	101, 615, 773	98, 822, 152	113, 639, 532
Idaho.....	52, 365, 498	78, 505, 003	104, 666, 773
Illinois.....	370, 486, 981	435, 132, 997	506, 374, 072
Indiana.....	238, 793, 861	270, 962, 875	332, 182, 790
Iowa.....	361, 426, 362	515, 909, 461	647, 224, 237
Kansas.....	221, 454, 417	251, 968, 977	326, 192, 822
Kentucky.....	146, 561, 464	165, 920, 669	210, 623, 997
Louisiana.....	32, 972, 720	37, 870, 207	58, 289, 639
Maine.....	77, 676, 881	70, 948, 840	71, 100, 802
Maryland.....	58, 754, 193	74, 042, 696	87, 785, 709
Massachusetts.....	76, 316, 309	86, 575, 083	85, 420, 875
Michigan.....	382, 822, 631	424, 235, 994	449, 756, 289
Minnesota.....	475, 506, 689	663, 638, 164	825, 441, 483
Mississippi.....	88, 191, 682	89, 567, 218	130, 644, 269
Missouri.....	228, 907, 721	273, 956, 020	369, 134, 036
Montana.....	51, 251, 095	73, 185, 407	87, 377, 918

TABLE 23.—*Milk: Production on farms, by States, 1919, 1924, and 1929—Continued*

State	1919	1924	1929
	<i>Gallons</i>	<i>Gallons</i>	<i>Gallons</i>
Nebraska.....	168, 083, 367	197, 600, 789	292, 937, 813
Nevada.....	6, 312, 105	11, 483, 388	12, 108, 432
New Hampshire.....	42, 556, 285	38, 149, 067	40, 679, 579
New Jersey.....	70, 490, 729	76, 245, 204	81, 772, 540
New Mexico.....	12, 737, 649	19, 026, 659	24, 490, 921
New York.....	756, 045, 942	741, 983, 208	800, 523, 979
North Carolina.....	95, 747, 638	108, 151, 634	119, 992, 505
North Dakota.....	138, 606, 540	199, 037, 293	227, 819, 411
Ohio.....	396, 317, 787	425, 834, 160	454, 116, 752
Oklahoma.....	135, 820, 769	177, 596, 933	249, 251, 003
Oregon.....	92, 844, 946	112, 218, 008	135, 376, 656
Pennsylvania.....	421, 631, 355	446, 273, 281	479, 930, 541
Rhode Island.....	12, 099, 111	13, 503, 758	14, 889, 788
South Carolina.....	52, 954, 637	49, 981, 899	52, 525, 520
South Dakota.....	124, 424, 918	172, 968, 181	231, 186, 744
Tennessee.....	130, 285, 644	148, 759, 109	181, 789, 691
Texas.....	202, 953, 536	274, 540, 639	412, 707, 814
Utah.....	29, 339, 512	40, 847, 359	65, 039, 328
Vermont.....	122, 095, 734	127, 956, 952	139, 075, 554
Virginia.....	110, 942, 113	127, 447, 037	145, 524, 668
Washington.....	140, 524, 518	169, 846, 011	180, 104, 032
West Virginia.....	73, 690, 103	76, 621, 074	83, 868, 465
Wisconsin.....	858, 258, 521	1, 058, 750, 721	1, 241, 337, 856
Wyoming.....	14, 542, 841	24, 318, 067	32, 879, 209
United States.....	7, 805, 143, 792	9, 198, 303, 635	11, 052, 023, 357

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TABLE 24.—*Milk: Production on farms, by States, 1929-32*

State and division	1929	1930	1931	1932
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Maine.....	624	656	649	647
New Hampshire.....	360	372	374	372
Vermont.....	1, 222	1, 291	1, 336	1, 320
Massachusetts.....	746	749	740	719
Rhode Island.....	128	133	132	132
Connecticut.....	562	583	597	623
New York.....	6, 973	7, 068	7, 367	7, 340
New Jersey.....	712	699	705	684
Pennsylvania.....	4, 242	4, 322	4, 439	4, 367
North Atlantic.....	15, 569	15, 873	16, 339	16, 204
Ohio.....	4, 038	4, 027	4, 124	4, 077
Indiana.....	2, 975	2, 905	3, 024	3, 041
Illinois.....	4, 483	4, 650	4, 673	4, 754



TABLE 24.—*Milk: Production on farms, by States, 1929-32—Continued*

State and division	1929	1930	1931	1932
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Michigan.....	4, 028	4, 014	4, 165	4, 192
Wisconsin.....	11, 056	11, 207	11, 305	10, 992
East North Central.....	26, 580	26, 803	27, 291	27, 056
Minnesota.....	7, 474	7, 590	7, 727	7, 810
Iowa.....	5, 869	5, 927	5, 948	6, 046
Missouri.....	3, 319	3, 471	3, 628	3, 582
North Dakota.....	2, 075	2, 162	2, 268	2, 258
South Dakota.....	2, 132	2, 208	2, 180	2, 005
Nebraska.....	2, 669	2, 806	2, 808	2, 755
Kansas.....	2, 977	3, 058	3, 215	3, 268
West North Central.....	26, 515	27, 222	27, 774	27, 724
Delaware.....	130	124	130	130
Maryland.....	783	752	770	765
Virginia.....	1, 338	1, 202	1, 302	1, 280
West Virginia.....	752	727	760	748
North Carolina.....	1, 078	1, 052	1, 088	1, 113
South Carolina.....	466	464	479	486
Georgia.....	1, 011	1, 004	1, 002	1, 010
Florida.....	234	221	235	238
South Atlantic.....	5, 792	5, 546	5, 766	5, 770
Kentucky.....	1, 882	1, 748	1, 777	1, 796
Tennessee.....	1, 627	1, 592	1, 607	1, 607
Alabama.....	1, 098	1, 079	1, 100	1, 152
Mississippi.....	1, 172	1, 212	1, 287	1, 326
Arkansas.....	1, 146	1, 092	1, 167	1, 218
Louisiana.....	539	513	526	544
Oklahoma.....	2, 234	2, 217	2, 342	2, 450
Texas.....	3, 707	3, 655	3, 858	4, 010
South Central.....	13, 405	13, 108	13, 664	14, 103
Montana.....	783	793	737	730
Idaho.....	932	1, 000	1, 010	1, 012
Wyoming.....	295	282	275	262
Colorado.....	1, 094	1, 086	1, 062	1, 004
New Mexico.....	221	221	224	221
Arizona.....	187	194	195	195
Utah.....	576	575	578	567
Nevada.....	110	116	108	102
Washington.....	1, 590	1, 663	1, 670	1, 676
Oregon.....	1, 199	1, 265	1, 291	1, 284
California.....	3, 934	3, 989	3, 986	3, 953
Western.....	10, 921	11, 184	11, 136	11, 006
United States.....	98, 782	99, 736	101, 970	101, 863

TABLE 25.—*Milk: Production per cow on first day of the month, in herds of crop correspondents, 1926 to 1933*

Month	1926	1927	1928	1929	1930	1931	1932	1933
	<i>Lbs.</i>	<i>Lbs.</i>	<i>Lbs.</i>	<i>Lbs.</i>	<i>Lbs.</i>	<i>Lbs.</i>	<i>Lbs.</i>	<i>Lbs.</i>
January.....	11.74	11.97	12.04	12.54	12.54	12.69	12.51	11.94
February.....	12.38	12.43	12.68	12.98	13.09	13.53	12.88	12.74
March.....	12.97	13.28	13.31	13.70	13.76	13.71	13.45	12.77
April.....	13.70	14.27	14.38	14.55	14.52	14.39	13.66	13.32
May.....	14.62	15.87	15.25	15.86	15.92	15.81	14.65	14.39
June.....	17.33	17.90	17.62	17.94	18.18	17.59	17.00	16.57
July.....	17.07	17.66	17.59	17.91	17.31	16.44	15.69	15.29
August.....	14.34	15.36	15.55	15.67	14.40	13.91	13.51	13.67
September.....	13.37	13.70	14.06	13.82	13.00	13.10	12.59	12.74
October.....	12.66	12.53	13.09	12.88	12.51	12.27	12.12	-----
November.....	11.93	12.29	12.15	12.26	12.32	12.46	11.70	-----
December.....	11.57	11.84	11.97	11.88	12.12	12.08	11.59	-----
Average <sup>1</sup> .....	13.64	14.09	14.14	14.33	14.14	14.00	13.44	-----

Division of Crop and Livestock Estimates.

<sup>1</sup> Average of the 12 first-of-the-month figures.

TABLE 26.—*Number of cows milked and annual yield per cow, by States*

States	1924		1929	
	Cows milked	Yield per cow <sup>1</sup>	Cows milked	Yield per cow <sup>1</sup>
	<i>Number</i>	<i>Pounds</i>	<i>Number</i>	<i>Pounds</i>
Alabama.....	325,578	2,520	315,300	3,370
Arizona.....	33,317	4,756	34,613	5,218
Arkansas.....	332,241	2,554	326,057	3,392
California.....	540,295	5,418	590,046	6,493
Colorado.....	229,700	3,621	234,530	4,469
Connecticut.....	109,834	5,143	98,184	5,618
Delaware.....	32,589	3,440	30,057	4,223
District of Columbia.....	582	7,104	464	9,334
Florida.....	62,940	2,614	73,966	3,056
Georgia.....	331,397	2,563	299,294	3,265
Idaho.....	151,722	4,446	168,086	5,354
Illinois.....	943,799	3,965	963,882	4,518
Indiana.....	656,898	3,543	662,360	4,314
Iowa.....	1,202,142	3,689	1,297,914	4,289
Kansas.....	694,454	3,122	723,864	3,875
Kentucky.....	469,194	3,044	488,562	3,707
Louisiana.....	164,896	1,978	188,899	2,654
Maine.....	149,736	4,076	131,426	4,653
Maryland.....	173,170	3,681	166,651	4,530
Massachusetts.....	141,234	5,272	130,637	5,624
Michigan.....	823,118	4,429	746,104	5,184
Minnesota.....	1,407,219	4,059	1,455,767	4,876
Mississippi.....	358,044	2,150	383,703	2,928
Missouri.....	808,732	2,915	901,445	3,522
Montana.....	167,967	3,750	173,303	4,336
Nebraska.....	566,619	3,001	621,456	4,054
Nevada.....	18,768	5,263	20,377	5,110
New Hampshire.....	77,652	4,231	71,664	4,882
New Jersey.....	117,099	5,599	111,784	6,291
New Mexico.....	60,594	2,700	62,510	3,369
New York.....	1,347,975	4,730	1,243,061	5,538
North Carolina.....	296,805	3,130	268,373	3,845
North Dakota.....	446,695	3,836	477,137	4,107
Ohio.....	931,717	3,930	848,178	4,604
Oklahoma.....	526,681	2,898	586,904	3,652
Oregon.....	206,869	4,661	224,780	5,180
Pennsylvania.....	873,015	4,395	808,090	5,108
Rhode Island.....	21,855	5,315	20,535	6,236
South Carolina.....	163,233	2,632	131,206	3,443
South Dakota.....	451,751	3,294	493,534	4,028
Tennessee.....	447,597	2,855	442,063	3,536
Texas.....	849,240	2,778	1,010,995	3,511
Utah.....	82,898	4,240	102,644	5,449
Vermont.....	268,122	4,102	255,772	4,677
Virginia.....	375,594	2,915	337,862	3,704
Washington.....	276,010	5,389	267,573	5,789
West Virginia.....	219,342	3,001	197,495	3,652
Wisconsin.....	1,904,869	4,782	1,869,841	5,710
Wyoming.....	57,849	3,612	65,273	4,332
United States.....	20,899,647	3,784	21,124,221	4,499

Bureau of the Census.

<sup>1</sup> Calculated from Census data.

TABLE 27.—Milk cows: Estimated average number on farms during the year and milk production per cow, by States, 1929-32

State and division	Number of milk cows				Milk production per cow			
	1929	1930	1931	1932	1929	1930	1931	1932
	Thousands	Thousands	Thousands	Thousands	Pounds	Pounds	Pounds	Pounds
Maine.....	130	132	136	140	4,800	4,970	4,770	4,620
New Hampshire.....	71	73	76	76	5,070	5,090	4,920	4,900
Vermont.....	259	264	272	275	4,720	4,890	4,910	4,800
Massachusetts.....	126	125	126	126	5,920	5,990	5,870	5,710
Rhode Island.....	20	21	21	21	6,400	6,350	6,300	6,300
Connecticut.....	98	101	106	110	5,730	5,770	5,630	5,660
New York.....	1,265	1,290	1,334	1,370	5,512	5,480	5,521	5,357
New Jersey.....	113	114	115	116	6,300	6,130	6,130	5,900
Pennsylvania.....	808	828	852	877	5,250	5,220	5,210	4,980
North Atlantic.....	2,890	2,948	3,038	3,111	5,387	5,384	5,378	5,209
Ohio.....	850	866	883	912	4,750	4,650	4,670	4,470
Indiana.....	670	682	705	731	4,440	4,260	4,290	4,160
Illinois.....	964	1,000	1,027	1,054	4,650	4,650	4,550	4,510
Michigan.....	760	778	801	822	5,300	5,160	5,200	5,100
Wisconsin.....	1,890	1,973	2,037	2,074	5,850	5,680	5,550	5,300
East North Central.....	5,134	5,299	5,453	5,593	5,177	5,058	5,005	4,837



Minnesota.....	1,480	1,524	1,577	1,627	5,050	4,980	4,900	4,800
Iowa.....	1,310	1,323	1,358	1,406	4,480	4,480	4,380	4,300
Missouri.....	885	938	986	1,012	3,750	3,700	3,680	3,540
North Dakota.....	500	521	560	602	4,150	4,150	4,050	3,750
South Dakota.....	520	532	545	560	4,100	4,150	4,000	3,580
Nebraska.....	640	642	653	672	4,170	4,370	4,300	4,100
Kansas.....	735	757	788	817	4,050	4,040	4,080	4,000
West North Central.....	6,070	6,237	6,467	6,696	4,368	4,365	4,295	4,140
Delaware.....	31	31	32	33	4,200	4,000	4,050	3,950
Maryland.....	172	175	177	180	4,550	4,300	4,350	4,250
Virginia.....	355	362	370	381	3,770	3,320	3,520	3,360
West Virginia.....	198	202	206	210	3,800	3,600	3,690	3,560
North Carolina.....	273	279	290	304	3,950	3,770	3,750	3,660
South Carolina.....	135	133	135	141	3,450	3,490	3,550	3,450
Georgia.....	300	307	316	328	3,370	3,270	3,170	3,080
Florida.....	80	81	83	86	2,930	2,730	2,830	2,770
South Atlantic.....	1,544	1,570	1,609	1,663	3,751	3,532	3,584	3,470
Kentucky.....	490	487	502	522	3,840	3,590	3,540	3,440
Tennessee.....	442	455	474	496	3,680	3,500	3,390	3,240
Alabama.....	340	348	363	384	3,230	3,100	3,030	3,000
Mississippi.....	400	418	450	484	2,930	2,900	2,860	2,740
Arkansas.....	342	349	373	406	3,350	3,130	3,130	3,000
Louisiana.....	220	224	234	244	2,450	2,290	2,250	2,230
Oklahoma.....	612	637	669	710	3,650	3,480	3,500	3,450
Texas.....	1,100	1,135	1,187	1,261	3,370	3,220	3,250	3,180
South Central.....	3,946	4,053	4,252	4,507	3,397	3,234	3,214	3,129

TABLE 27.—*Milk cows: Estimated average number on farms during the year and milk production per cow, by States, 1929-32—Continued*

State and division	Number of milk cows				Milk production per cow			
	1929	1930	1931	1932	1929	1930	1931	1932
	Thousands	Thousands	Thousands	Thousands	Pounds	Pounds	Pounds	Pounds
Montana.....	180	181	182	183	4,350	4,380	4,050	3,990
Idaho.....	168	174	181	186	5,550	5,750	5,580	5,440
Wyoming.....	68	68	68	69	4,340	4,140	4,040	3,790
Colorado.....	243	244	247	251	4,500	4,450	4,300	4,000
New Mexico.....	65	65	66	67	3,400	3,400	3,400	3,300
Arizona.....	36	38	39	42	5,200	5,100	5,000	4,640
Utah.....	102	105	107	107	5,650	5,480	5,400	5,300
Nevada.....	20	21	21	21	5,500	5,500	5,130	4,880
Washington.....	265	274	283	295	6,000	6,070	5,900	5,680
Oregon.....	220	230	240	247	5,450	5,500	5,380	5,200
California.....	610	609	604	599	6,450	6,550	6,600	6,600
Western.....	1,977	2,009	2,038	2,067	5,524	5,567	5,464	5,325
United States.....	21,561	22,116	22,857	23,637	4,582	4,510	4,461	4,309

Division of Crop and Livestock Estimates.



TABLE 28.—Size of milking herds: Number of farms reporting indicated number of cows milked, in 1929,  
by States—Continued

State and division	Farms reporting cows milked in 1929					
	1-3 cows	4-5 cows	6-10 cows	11-20 cows	21 or more cows	Total
	Number	Number	Number	Number	Number	Number
Minnesota.....	28,100	24,200	70,200	43,900	3,890	170,290
Iowa.....	54,000	42,900	71,600	27,200	2,740	198,440
Missouri.....	120,700	46,200	40,300	9,600	1,380	218,180
North Dakota.....	14,500	14,000	29,500	9,900	720	68,620
South Dakota.....	16,100	14,000	29,700	10,500	830	71,130
Nebraska.....	39,700	31,100	35,700	8,100	780	115,380
Kansas.....	57,400	34,700	40,800	9,000	1,090	142,990
West North Central.....	330,500	207,100	317,800	118,200	11,430	985,030
Delaware.....	3,700	710	1,200	610	120	6,340
Maryland.....	16,500	4,000	5,900	3,500	830	30,730
Virginia.....	106,700	12,000	6,500	2,100	1,110	128,410
West Virginia.....	53,400	9,700	5,100	1,200	300	69,700
North Carolina.....	143,500	5,000	2,700	880	480	152,560
South Carolina.....	79,000	1,900	1,000	420	210	82,530
Georgia.....	142,800	6,700	3,300	1,400	720	154,920
Florida.....	19,300	1,600	810	380	490	22,580
South Atlantic.....	564,900	41,610	26,510	10,490	4,260	647,770



Kentucky-----	151, 200	23, 200	12, 100	2, 900	610	190, 010
Tennessee-----	155, 000	16, 200	8, 700	3, 100	1, 000	184, 000
Alabama-----	171, 300	4, 600	2, 200	820	710	179, 630
Mississippi-----	144, 300	13, 700	6, 500	2, 700	780	167, 480
Arkansas-----	122, 900	13, 900	6, 500	1, 100	360	144, 760
Louisiana-----	73, 200	5, 100	2, 400	820	630	82, 150
Oklahoma-----	100, 500	27, 100	24, 700	5, 500	1, 010	158, 810
Texas-----	263, 700	42, 300	24, 600	6, 300	2, 790	339, 690
South Central-----	1, 182, 100	146, 100	87, 700	22, 740	7, 890	1, 446, 530
Montana-----	16, 200	7, 000	8, 200	2, 500	480	34, 380
Idaho-----	14, 800	6, 900	8, 100	2, 600	420	32, 820
Wyoming-----	5, 200	2, 400	2, 900	1, 100	220	11, 820
Colorado-----	20, 200	7, 900	10, 300	4, 100	840	43, 340
New Mexico-----	10, 200	2, 300	2, 200	870	180	15, 750
Arizona-----	4, 100	650	520	420	380	6, 070
Utah-----	10, 500	4, 100	4, 800	1, 500	270	21, 170
Nevada-----	950	390	460	370	250	2, 420
Washington-----	26, 600	7, 400	8, 600	4, 800	1, 540	48, 940
Oregon-----	22, 000	6, 700	7, 500	3, 900	1, 260	41, 360
California-----	29, 000	4, 100	5, 500	5, 900	8, 450	52, 950
Western-----	159, 750	49, 840	59, 080	28, 060	14, 290	311, 020
United States-----	2, 721, 690	675, 290	786, 600	352, 150	79, 920	4, 615, 650

Division of Crop and Livestock Estimates. Estimates based in part on detailed tabulation of records for selected counties by Census Bureau.

TABLE 29.—*Estimated percentage of milk cows in herds of various sizes, by States, 1929*

State and division	1-3 cows	4-5 cows	6-10 cows	11-20 cows	21-30 cows	31-50 cows	51 or more cows
	<i>Per- cent</i>	<i>Per- cent</i>	<i>Per- cent</i>	<i>Per- cent</i>	<i>Per- cent</i>	<i>Per- cent</i>	<i>Per- cent</i>
Maine.....	23.9	17.4	30.5	20.2	4.8	2.4	.8
New Hampshire.....	12.9	10.3	24.5	29.3	12.0	7.7	3.3
Vermont.....	3.3	3.8	15.3	37.0	23.9	12.8	3.9
Massachusetts.....	9.6	7.2	20.0	31.4	14.7	9.9	7.2
Rhode Island.....	8.2	5.4	15.6	33.2	17.6	11.2	8.8
Connecticut.....	10.0	6.3	19.7	34.6	14.1	9.7	5.6
New York.....	5.9	5.7	17.7	36.8	20.4	10.4	3.1
New Jersey.....	9.3	4.8	16.1	30.2	16.7	12.0	10.9
Pennsylvania.....	13.6	13.0	34.5	29.0	6.3	2.4	1.2
North Atlantic.....	9.3	8.3	23.1	33.1	15.2	7.9	3.1
Ohio.....	21.1	23.9	35.5	15.2	2.6	1.1	.6
Indiana.....	24.0	25.2	33.7	13.4	2.3	.9	.5
Illinois.....	17.9	20.5	31.9	20.6	6.1	2.5	.5
Michigan.....	14.1	20.5	43.6	18.0	2.5	.8	.5
Wisconsin.....	2.1	3.7	24.1	53.7	12.8	3.1	.5
East North Central.....	12.9	15.5	31.6	30.5	7.0	2.0	.5
Minnesota.....	4.0	7.5	38.9	42.5	5.6	1.2	.3
Iowa.....	8.3	15.0	41.6	29.4	4.4	1.1	.2
Missouri.....	24.7	22.7	33.1	14.8	2.8	1.2	.7
North Dakota.....	6.3	13.3	47.5	28.9	3.2	.6	.2
South Dakota.....	6.6	12.8	46.5	29.7	3.5	.8	.1
Nebraska.....	13.2	22.2	42.9	18.0	2.3	1.0	.4
Kansas.....	15.5	21.5	41.4	17.0	2.7	1.3	.6
West North Central.....	10.8	15.5	40.7	27.7	3.9	1.1	.3
Delaware.....	19.2	10.6	30.8	28.5	6.9	2.0	2.0
Maryland.....	16.3	10.9	27.0	29.9	8.7	4.3	2.9
Virginia.....	49.3	16.0	14.0	8.9	4.6	4.0	3.2
West Virginia.....	46.9	21.5	18.2	8.7	2.6	1.5	.6
North Carolina.....	73.7	8.3	6.6	4.7	2.4	2.4	1.9
South Carolina.....	78.3	6.4	5.3	4.7	2.4	1.7	1.2
Georgia.....	66.4	10.0	8.0	6.9	3.3	2.9	2.5
Florida.....	40.0	9.8	8.0	7.7	5.7	9.2	19.6
South Atlantic.....	54.6	12.3	12.8	10.0	4.0	3.2	3.1
Kentucky.....	48.8	21.2	17.8	8.5	2.2	1.1	.4
Tennessee.....	52.0	16.2	14.3	10.0	3.6	2.6	1.3
Alabama.....	75.0	6.3	4.9	3.8	2.5	2.8	4.7
Mississippi.....	56.9	15.8	12.1	8.2	3.0	2.4	1.6
Arkansas.....	58.5	18.9	14.0	4.9	1.7	1.2	.8
Louisiana.....	61.2	11.9	8.6	6.3	4.4	4.4	3.2
Oklahoma.....	29.6	20.7	31.1	12.8	2.7	1.9	1.2
Texas.....	44.5	18.7	17.2	8.8	3.6	3.6	3.6
South Central.....	49.5	17.4	16.8	8.6	3.0	2.5	2.3

TABLE 29.—*Estimated percentage of milk cows in herds of various sizes, by States, 1929—Continued*

State and division	1-3 cows	4-5 cows	6-10 cows	11-20 cows	21-30 cows	31-50 cows	51 or more cows
	<i>Per- cent</i>	<i>Per- cent</i>	<i>Per- cent</i>	<i>Per- cent</i>	<i>Per- cent</i>	<i>Per- cent</i>	<i>Per- cent</i>
Montana.....	17.6	18.1	35.0	20.5	4.6	2.9	1.3
Idaho.....	16.8	18.4	35.7	21.8	4.8	2.0	.5
Wyoming.....	15.2	16.4	34.2	24.3	5.7	3.4	.8
Colorado.....	15.3	15.0	33.5	24.9	6.2	3.3	1.8
New Mexico.....	26.1	16.7	26.9	19.7	4.3	3.1	3.2
Arizona.....	18.9	8.4	11.0	18.0	13.6	15.3	14.8
Utah.....	19.1	17.9	35.0	20.7	4.5	2.4	.4
Nevada.....	8.8	8.3	16.7	26.5	17.1	16.2	6.4
Washington.....	16.9	12.4	24.3	26.8	8.4	7.1	4.1
Oregon.....	16.7	13.2	25.4	25.3	9.0	6.2	4.2
California.....	7.0	3.1	7.2	15.0	15.2	18.7	33.8
Western.....	14.0	11.4	23.0	21.0	9.4	9.0	12.2
United States.....	21.4	14.3	28.2	23.8	6.5	3.4	2.4

Division of Crop and Livestock Estimates. Estimates based in part on detailed tabulation of records for selected counties by Census Bureau.

TABLE 30.—*Purebred dairy cattle: Number registered, each year, by breeds, United States, 1921-32*

Year	Ayrshire			Guernsey		
	Bulls	Cows	Total	Bulls	Cows	Total
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1921.....			5,874	8,036	13,971	22,007
1922.....	1,565	4,816	6,381	8,065	14,007	22,072
1923.....	1,578	5,975	7,553	9,758	16,976	26,734
1924.....	1,431	5,508	6,939	10,301	18,166	28,467
1925.....	1,561	5,972	7,533	11,299	20,742	32,041
1926.....	1,720	6,142	7,862	12,392	22,298	34,690
1927.....	1,847	6,554	8,401	12,777	22,694	35,471
1928.....	2,274	7,837	10,111	14,363	24,664	39,027
1929.....	2,586	8,833	11,419	14,661	26,288	40,949
1930.....	2,050	8,159	10,209	15,810	28,662	44,472
1931.....	1,552	7,324	8,876	12,880	27,964	40,844
1932.....	1,317	6,306	7,623	9,962	25,817	35,779

TABLE 30.—*Purebred dairy cattle: Number registered, each year, by breeds, United States, 1921-32—Con.*

Year	Holstein-Friesian			Jersey		
	Bulls	Cows	Total	Bulls	Cows	Total
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
1921.....	39, 585	88, 265	127, 850	11, 213	31, 123	42, 336
1922.....	30, 631	83, 141	113, 772	11, 651	33, 801	45, 452
1923.....	29, 089	86, 043	115, 132	12, 291	38, 159	50, 450
1924.....	28, 209	83, 320	111, 529	12, 331	39, 832	52, 163
1925.....	26, 935	82, 659	109, 594	12, 131	41, 725	53, 856
1926.....	28, 117	82, 971	111, 088	12, 837	42, 915	55, 752
1927.....	28, 817	81, 146	109, 963	15, 666	48, 411	64, 077
1928.....	33, 512	88, 214	121, 726	19, 393	54, 516	73, 909
1929.....	35, 438	89, 927	125, 365	19, 230	52, 431	71, 661
1930.....	29, 242	75, 901	105, 143	14, 350	43, 767	58, 117
1931.....	21, 811	70, 535	92, 346	10, 262	38, 211	48, 473
1932.....	13, 834	54, 481	68, 315	7, 678	33, 551	41, 229

Bureau of Agricultural Economics. Obtained from registry associations. See 1930 Yearbook, table 41, p. 901, for data for earlier years.



TABLE 31.—*Dairy cattle: Number of bulls, cows, heifers and heifer calves in principal breeds, Apr. 1, 1930*

Division and State	Principal breeds <sup>1</sup>		Ayrshire		Brown Swiss		Guernsey		Holstein		Jersey	
	Bulls	Others <sup>2</sup>	Bulls	Others <sup>2</sup>	Bulls	Others <sup>2</sup>	Bulls	Others <sup>2</sup>	Bulls	Others <sup>2</sup>	Bulls	Others <sup>2</sup>
Maine-----	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
New Hampshire-----	2, 193	13, 828	145	951	24	65	674	3, 329	577	4, 036	761	5, 373
Vermont-----	1, 587	9, 592	226	1, 889	2	53	451	2, 104	737	4, 416	171	1, 130
Massachusetts-----	3, 608	22, 108	531	3, 534	23	122	745	2, 723	1, 040	6, 946	1, 268	8, 777
Rhode Island-----	2, 333	17, 219	310	2, 443	13	92	792	4, 699	913	7, 274	305	2, 708
Connecticut-----	313	2, 869	43	386	2	11	116	680	114	1, 441	38	350
New York-----	1, 797	10, 442	210	1, 588	6	54	616	2, 468	703	4, 370	260	1, 948
New Jersey-----	17, 022	138, 600	1, 523	13, 358	175	1, 055	3, 001	16, 389	10, 848	95, 463	1, 475	12, 324
Pennsylvania-----	2, 025	15, 050	37	279	26	138	511	3, 414	1, 189	9, 043	258	2, 139
	13, 936	94, 417	505	4, 882	150	633	4, 037	19, 564	7, 647	55, 905	1, 596	13, 428
North Atlantic-----	44, 814	324, 125	3, 530	29, 310	421	2, 223	10, 943	55, 370	23, 768	188, 894	6, 132	48, 177
Ohio-----	8, 889	73, 213	150	1, 291	155	785	2, 142	10, 298	3, 164	31, 863	3, 278	28, 975
Indiana-----	5, 571	30, 179	55	480	126	427	1, 400	5, 029	1, 659	10, 444	2, 327	13, 767
Illinois-----	11, 565	48, 050	92	533	1, 190	3, 284	1, 492	3, 749	7, 123	31, 937	1, 660	8, 519
Michigan-----	9, 887	61, 823	161	616	335	1, 212	2, 777	8, 959	4, 617	37, 169	1, 995	13, 849
Wisconsin-----	32, 475	119, 639	297	1, 620	1, 678	4, 755	8, 864	21, 658	20, 418	85, 374	1, 216	6, 218
E. North Central	68, 387	332, 904	755	4, 540	3, 484	10, 463	16, 675	49, 693	36, 981	196, 787	10, 476	71, 328

<sup>1</sup> Includes Dutch belted.

<sup>2</sup> Cows, heifers, and heifer calves.

TABLE 31.—*Dairy cattle: Number of bulls, cows, heifers and heifer calves in principal breeds, Apr. 1, 1930*—Continued

Division and State	Principal breeds		Ayrshire		Brown Swiss		Guernsey		Holstein		Jersey	
	Bulls	Others	Bulls	Others	Bulls	Others	Bulls	Others	Bulls	Others	Bulls	Others
Minnesota-----	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number	Number
Iowa-----	19,793	58,857	193	873	1,017	2,159	4,796	10,351	12,879	41,193	901	4,240
Missouri-----	10,430	33,266	123	610	974	2,440	2,137	4,432	6,111	20,100	1,080	5,631
North Dakota-----	5,493	26,055	32	128	50	94	537	1,752	1,260	6,615	3,606	17,424
South Dakota-----	2,305	7,049	33	85	116	223	508	946	1,556	5,394	92	401
Nebraska-----	1,931	7,192	57	255	100	388	344	859	1,326	5,190	102	493
Kansas-----	2,468	9,465	77	343	34	112	356	884	1,657	6,208	341	1,909
-----	4,914	22,636	374	1,923	80	197	627	1,517	2,491	11,630	1,338	7,311
W. North Central	47,334	164,520	889	4,217	2,371	5,613	9,305	20,741	27,280	96,330	7,460	37,409
Delaware-----	539	2,357	19	67	-----	-----	209	668	269	1,276	42	346
Maryland-----	3,824	15,429	96	565	20	37	1,545	4,548	1,806	7,747	356	2,529
District of Columbia-----	15	219	-----	-----	-----	-----	-----	1	15	216	-----	2
Virginia-----	2,581	11,569	13	69	11	24	1,411	3,877	711	5,045	435	2,554
West Virginia-----	1,264	5,598	34	259	26	81	290	822	256	1,412	658	3,024
North Carolina-----	2,079	9,709	27	335	-----	1	903	2,490	137	841	1,012	6,042
South Carolina-----	944	5,025	-----	-----	-----	-----	472	1,958	68	695	404	2,372
Georgia-----	1,675	6,757	1	1	1	2	270	677	58	330	1,345	5,747
Florida-----	463	2,378	5	45	3	-----	66	370	47	271	340	1,677
South Atlantic-----	13,384	59,041	195	1,341	61	145	5,166	15,411	3,367	17,833	4,592	24,293



Kentucky-----	2, 637	14, 265	7	25	8	12	145	471	447	2, 506	2, 030	11, 251
Tennessee-----	2, 576	16, 293	3	31	1	1	63	147	112	782	2, 397	15, 332
Alabama-----	1, 392	5, 372	6	17	-----	-----	68	144	45	98	1, 273	5, 113
Mississippi-----	3, 114	12, 054	4	73	-----	-----	78	325	69	387	2, 963	11, 269
Arkansas-----	1, 593	4, 939	2	3	2	3	100	164	112	402	1, 376	4, 361
Louisiana-----	3, 331	3, 331	1	-----	-----	-----	35	88	91	340	776	2, 903
Oklahoma-----	3, 052	13, 077	50	183	32	60	236	631	531	3, 239	2, 203	8, 964
Texas-----	8, 207	31, 707	20	57	3	2	129	372	426	2, 030	7, 629	29, 246
South Central-----	23, 474	101, 038	93	389	46	78	854	2, 342	1, 833	9, 784	20, 647	88, 439
Montana-----	1, 125	3, 426	30	81	42	83	240	413	664	2, 503	149	346
Idaho-----	2, 402	7, 155	23	171	12	15	534	1, 043	1, 241	3, 601	592	2, 325
Wyoming-----	410	1, 185	1	-----	4	7	40	154	302	825	63	199
Colorado-----	1, 802	6, 353	68	335	15	27	241	523	1, 207	4, 462	271	1, 006
New Mexico-----	326	996	1	12	-----	-----	19	35	100	363	206	571
Arizona-----	850	2, 577	17	149	1	14	63	213	597	1, 359	172	842
Utah-----	1, 534	5, 314	6	29	-----	-----	144	341	910	2, 991	474	1, 953
Nevada-----	297	736	10	74	6	3	11	16	245	508	25	134
Washington-----	4, 289	15, 308	97	594	46	94	1, 341	2, 619	1, 411	6, 714	1, 394	5, 287
Oregon-----	4, 583	17, 142	53	275	70	191	1, 146	2, 044	688	2, 889	2, 624	11, 736
California-----	5, 590	17, 523	150	801	44	155	886	2, 155	3, 216	10, 086	1, 291	4, 326
West-----	23, 208	77, 715	456	2, 521	240	589	4, 665	9, 556	10, 581	36, 301	7, 261	28, 725
United States-----	1 220, 601	1 1, 059, 343	5, 918	42, 318	6, 623	19, 111	47, 608	153, 113	103, 810	545, 929	56, 568	298, 371

Compiled from Census report.

**TABLE 32.**—*Number and value of cattle exported from the United States*

Year ended June 30—	Cattle		Year ended June 30—	Cattle	
	Number	Value		Number	Value
1905.....	567, 806	\$40, 598, 048	1919.....	42, 345	\$2, 092, 816
1906.....	584, 239	42, 081, 170	1920.....	83, 039	11, 921, 518
1907.....	423, 051	34, 577, 392	1921.....	145, 623	10, 950, 507
1908.....	349, 210	29, 339, 134	1922 <sup>1</sup> .....	111, 207	7, 408, 439
1909.....	207, 542	18, 046, 976	1923.....	37, 194	1, 878, 010
1910.....	139, 430	12, 200, 154	1924.....	60, 959	1, 511, 472
1911.....	150, 100	13, 163, 920	1925.....	80, 565	2, 387, 801
1912.....	105, 506	8, 870, 075	1926.....	22, 602	1, 310, 508
1913.....	24, 714	1, 177, 199	1927.....	18, 679	1, 204, 326
1914.....	18, 376	647, 288	1928.....	11, 267	951, 327
1915.....	5, 484	702, 847	1929.....	7, 509	672, 956
1916.....	21, 287	2, 378, 248	1930.....	7, 099	565, 243
1917.....	13, 387	949, 503	1931.....	4, 104	399, 367
1918.....	18, 213	1, 247, 800	1932.....	3, 614	216, 219

Foreign Commerce and Navigation Reports (YB).

<sup>1</sup> Since 1921, the figures are for the calendar year.

**TABLE 33.**—*Number and value of cattle imported into the United States for all purposes*

Year ended June 30—	Cattle		Year ended June 30—	Cattle	
	Number	Value		Number	Value
1905.....	27, 855	\$458, 572	1919.....	440, 399	\$36, 995, 921
1906.....	29, 019	548, 430	1920.....	575, 328	45, 081, 179
1907.....	32, 402	565, 122	1921.....	329, 974	23, 634, 361
1908.....	92, 356	1, 507, 310	1922 <sup>1</sup> .....	238, 309	5, 987, 017
1909.....	139, 184	1, 999, 422	1923.....	140, 455	4, 323, 289
1910.....	195, 938	2, 999, 824	1924.....	144, 432	4, 915, 270
1911.....	182, 923	2, 953, 077	1925.....	174, 381	5, 148, 192
1912.....	318, 372	4, 805, 574	1926.....	219, 584	6, 133, 679
1913.....	421, 649	6, 640, 668	1927.....	445, 345	16, 449, 999
1914.....	868, 368	18, 696, 718	1928.....	535, 721	21, 576, 620
1915.....	538, 167	17, 513, 175	1929 <sup>2</sup> .....	492, 609	19, 972, 192
1916.....	439, 185	15, 187, 593	1930 <sup>2</sup> .....	226, 273	6, 564, 251
1917.....	374, 826	13, 021, 259	1931 <sup>2</sup> .....	85, 470	1, 852, 343
1918.....	293, 719	17, 852, 176	1932 <sup>2</sup> .....	96, 403	1, 456, 564

Foreign Commerce and Navigation Reports (YB).

<sup>1</sup> Changed to calendar year for 1922 and thereafter.

<sup>2</sup> Dutiable only.

NOTE.—The number of cattle imported from July 1 to Dec. 31, 1921, was 87,475, valued at \$3,069,564.

TABLE 34.—*Butter production on farms, by States*

State	1919	1924	1929
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Alabama.....	28,490,181	27,704,745	32,963,563
Arizona.....	593,446	760,803	510,766
Arkansas.....	25,571,098	23,962,463	23,999,326
California.....	5,757,759	3,843,856	1,944,134
Colorado.....	5,775,602	5,245,186	3,578,682
Connecticut.....	1,926,127	1,493,911	657,362
Delaware.....	894,883	812,014	479,609
District of Columbia.....	6,026	5,319	2,987
Florida.....	1,162,383	1,544,466	1,783,121
Georgia.....	30,257,153	22,277,037	26,690,508
Idaho.....	4,540,364	3,661,728	2,449,823
Illinois.....	25,063,897	22,889,130	16,313,197
Indiana.....	18,344,239	14,171,886	8,754,135
Iowa.....	25,422,675	23,328,119	14,679,425
Kansas.....	17,455,879	17,292,791	12,826,714
Kentucky.....	34,080,415	28,595,430	22,885,700
Louisiana.....	4,252,318	4,319,489	5,816,271
Maine.....	10,855,560	9,241,414	8,187,893
Maryland.....	6,162,501	5,255,281	3,625,704
Massachusetts.....	2,019,231	1,456,488	817,803
Michigan.....	25,755,423	20,350,351	12,414,402
Minnesota.....	20,205,076	16,825,069	10,246,236
Mississippi.....	20,758,736	18,498,308	21,832,203
Missouri.....	29,470,763	25,937,470	20,996,589
Montana.....	5,961,336	5,416,455	4,502,672
Nebraska.....	13,761,085	15,036,616	13,065,941
Nevada.....	266,027	244,309	175,812
New Hampshire.....	3,240,368	2,469,862	1,768,374
New Jersey.....	1,600,789	944,720	578,548
New Mexico.....	1,404,138	1,706,880	1,320,818
New York.....	24,727,662	22,106,207	13,995,603
North Carolina.....	25,551,506	25,359,789	26,157,586
North Dakota.....	14,413,180	14,772,928	13,361,035
Ohio.....	30,264,265	23,308,705	14,500,632
Oklahoma.....	22,214,546	25,518,814	21,733,711
Oregon.....	4,177,628	3,900,837	2,529,447
Pennsylvania.....	38,468,607	30,494,008	18,541,869
Rhode Island.....	174,902	131,872	53,152
South Carolina.....	13,846,353	12,556,096	11,537,503
South Dakota.....	10,267,171	10,925,914	9,314,610
Tennessee.....	37,166,063	32,461,009	29,331,256
Texas.....	49,405,152	55,350,671	58,015,512
Utah.....	2,876,675	2,912,900	1,751,825
Vermont.....	3,877,039	3,402,114	2,218,341
Virginia.....	25,476,621	24,232,134	22,915,821
Washington.....	5,899,678	5,089,838	3,196,420
West Virginia.....	17,715,107	16,055,084	12,674,239
Wisconsin.....	8,666,037	7,172,280	3,012,983
Wyoming.....	1,422,822	1,760,471	1,354,426
United States.....	707,666,492	642,803,267	542,064,289



**TABLE 35.—Milk and butterfat: Estimated production on farms, by States, 1932**

State	Number of cows <sup>1</sup>	Production per cow		Butterfat in milk	Total milk <sup>2</sup>	Total butterfat
		Milk	Butterfat			
	<i>Thousands</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Million pounds</i>
Me.....	140	4, 620	189	4. 1	647	26
N.H.....	76	4, 900	191	3. 9	372	15
Vt.....	275	4, 800	194	4. 05	1, 320	53
Mass.....	126	5, 710	217	3. 8	719	27
R.I.....	21	6, 300	243	3. 85	132	5
Conn.....	110	5, 660	215	3. 8	623	24
N. Y.....	1, 370	5, 357	194	3. 63	7, 340	266
N. J.....	116	5, 900	217	3. 68	684	25
Pa.....	877	4, 980	189	3. 8	4, 367	166
N. Atlantic...	3, 111	5, 209	195. 1	3. 75	16, 204	607
Ohio.....	912	4, 470	183	4. 1	4, 077	167
Ind.....	731	4, 160	173	4. 15	3, 041	126
Ill.....	1, 054	4, 510	171	3. 8	4, 754	180
Mich.....	822	5, 100	194	3. 8	4, 192	159
Wis.....	2, 074	5, 300	196	3. 7	10, 992	407
E. N. Central...	5, 593	4, 837	185. 8	3. 84	27, 056	1, 039
Minn.....	1, 627	4, 800	180	3. 75	7, 810	293
Iowa.....	1, 406	4, 300	163	3. 8	6, 046	229
Mo.....	1, 012	3, 540	149	4. 2	3, 582	151
N. Dak.....	602	3, 750	141	3. 75	2, 258	85
S. Dak.....	560	3, 580	136	3. 8	2, 005	76
Nebr.....	672	4, 100	156	3. 8	2, 755	105
Kans.....	817	4, 000	156	3. 9	3, 268	127
W. N. Central...	6, 696	4, 140	159. 2	3. 85	27, 724	1, 066
Del.....	33	3, 950	154	3. 9	130	5
Md.....	180	4, 250	168	3. 95	765	30
Va.....	381	3, 360	138	4. 1	1, 280	53
W. Va.....	210	3, 560	150	4. 2	748	32
N. C.....	304	3, 660	157	4. 3	1, 113	48
S. C.....	141	3, 450	152	4. 4	486	21
Ga.....	328	3, 080	136	4. 4	1, 010	45
Fla.....	86	2, 770	119	4. 3	238	10
S. Atlantic....	1, 663	3, 470	146. 7	4. 23	5, 770	244

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<sup>1</sup> Estimated average number of milk cows on farms during 1932. The estimates exclude heifers not yet fresh, but include some cows which had calves running with them much of the year.

<sup>2</sup> These estimates exclude milk sucked by calves, milk spilled or lost up to the time it is measured, skimmed, or delivered by farmers, and milk produced by cows not on farms.

TABLE 35.—*Milk and butterfat: Estimated production on farms, by States, 1932—Continued*

State	Num- ber of cows	Production per cow		Butter- fat in milk	Total milk	Total butter- fat
		Milk	Butter- fat			
	<i>Thou- sands</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Percent</i>	<i>Million pounds</i>	<i>Million pounds</i>
Ky.....	522	3, 440	148	4. 3	1, 796	77
Tenn.....	496	3, 240	143	4. 4	1, 607	71
Ala.....	384	3, 000	134	4. 45	1, 152	51
Miss.....	484	2, 740	123	4. 5	1, 326	60
Ark.....	406	3, 000	129	4. 3	1, 218	52
La.....	244	2, 230	98	4. 4	544	24
Okla.....	710	3, 450	147	4. 25	2, 450	104
Tex.....	1, 261	3, 180	140	4. 4	4, 010	177
S. Central.....	4, 507	3, 129	136. 7	4. 37	14, 103	616
Mont.....	183	3, 990	156	3. 9	730	29
Idaho.....	186	5, 440	215	3. 95	1, 012	40
Wyo.....	69	3, 790	146	3. 85	262	10
Colo.....	251	4, 000	152	3. 8	1, 004	38
N. Mex.....	67	3, 300	132	4. 0	221	9
Ariz.....	42	4, 640	179	3. 85	195	8
Utah.....	107	5, 300	201	3. 8	567	22
Nev.....	21	4, 880	185	3. 8	102	4
Wash.....	295	5, 680	230	4. 05	1, 676	68
Oreg.....	247	5, 200	224	4. 3	1, 284	55
Calif.....	599	6, 600	251	3. 8	3, 953	150
Western.....	2, 067	5, 325	209. 5	3. 93	11, 006	433
United States.....	23, 637	4, 309	169. 4	3. 93	101, 863	4, 005

TABLE 36.—*Estimated disposition of milk produced on farms, by States, 1932*

State	Used as milk or cream	For farm butter	Fed to calves	Sold as butter- fat	Sold at retail <sup>1</sup>	Sold at whole- sale <sup>2</sup>
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Me.....	72	164	15	91	105	200
N.H.....	28	32	9	14	43	246
Vt.....	64	37	29	220	58	912
Mass.....	52	13	14	12	135	493
R.I.....	7	1	3	-----	12	109
Conn.....	42	11	16	5	115	434
N.Y.....	376	294	220	180	560	5,710
N.J.....	45	11	14	-----	192	422
Pa.....	380	365	109	170	730	2,613
N. Atlantic....	1,066	928	429	692	1,950	11,139
Ohio.....	552	334	122	1,151	384	1,534
Ind.....	396	164	82	1,150	214	1,035
Ill.....	544	361	133	1,525	408	1,783
Mich.....	394	327	168	1,380	300	1,623
Wis.....	522	71	330	2,880	210	6,979
E. N. Central..	2,408	1,257	835	8,086	1,516	12,954
Minn.....	571	222	226	5,850	190	751
Iowa.....	597	360	169	4,300	165	455
Mo.....	555	490	97	1,800	200	440
N.Dak.....	241	344	79	1,490	64	40
S.Dak.....	233	206	72	1,380	67	47
Nebr.....	350	328	105	1,642	125	205
Kans.....	405	307	124	1,907	190	335
W. N. Central..	2,952	2,257	872	18,369	1,001	2,273
Del.....	15	9	3	2	20	81
Md.....	95	75	15	15	98	467
Va.....	296	460	40	130	110	244
W.Va.....	181	262	26	94	110	75
N.C.....	332	536	16	49	89	91
S.C.....	149	229	6	20	54	28
Ga.....	269	510	10	58	58	105
Fla.....	35	43	2	6	64	88
S. Atlantic....	1,372	2,124	118	374	603	1,179

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<sup>1</sup> Approximations based chiefly on the population in small towns and rural areas where most families purchase their milk supply directly from local farmers. Estimates include milk equivalent of cream.

<sup>2</sup> Estimates include milk delivered to creameries, condenseries, cheese factories, and market-milk receiving stations, but exclude market milk sold to other farmers for local retail delivery.



TABLE 36.—*Estimated disposition of milk produced on farms, by States, 1932—Continued*

State	Used as milk or cream	For farm butter	Fed to calves	Sold as butter- fat	Sold at retail	Sold at whole- sale
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Ky.....	436	448	31	527	145	209
Tenn.....	356	595	21	251	80	304
Ala.....	288	647	9	60	64	84
Miss.....	261	500	11	226	55	273
Ark.....	279	498	11	281	77	72
La.....	192	117	5	27	65	138
Okla.....	462	471	49	1,040	170	258
Tex.....	939	1,190	60	996	285	540
S. Central.....	3,213	4,466	197	3,408	941	1,878
Mont.....	97	106	26	360	66	75
Idaho.....	106	52	28	535	41	250
Wyo.....	36	29	8	125	24	40
Colo.....	136	81	40	427	49	271
N. Mex.....	43	29	4	94	35	16
Ariz.....	25	12	5	41	42	70
Utah.....	64	36	17	163	37	250
Nev.....	8	4	4	66	14	6
Wash.....	147	64	59	545	141	720
Oreg.....	121	53	45	555	87	423
Calif.....	175	38	119	975	400	2,246
Western.....	958	504	355	3,886	936	4,367
United States..	11,969	11,536	2,806	34,815	6,947	33,790

TABLE 37.—*Butter made on farms, by States, 1929-32*

State and division	1929	1930	1931	1932
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Maine.....	8,188	8,100	7,800	8,200
New Hampshire.....	1,768	1,680	1,660	1,580
Vermont.....	2,218	1,900	1,980	1,890
Massachusetts.....	818	710	690	660
Rhode Island.....	53	50	50	50
Connecticut.....	657	500	490	500
New York.....	13,996	12,900	12,400	13,000
New Jersey.....	579	510	460	480
Pennsylvania.....	18,542	16,450	16,000	16,500
North Atlantic.....	46,819	42,800	41,530	42,860
Ohio.....	14,501	13,200	14,500	16,700
Indiana.....	8,754	7,800	7,650	8,400
Illinois.....	16,313	15,300	16,000	16,800
Michigan.....	12,414	11,200	12,300	14,800
Wisconsin.....	3,013	2,500	2,750	3,200
East North Central.....	54,995	50,000	53,200	59,900

TABLE 37.—*Butter made on farms, by States, 1929-32—*  
Continued

State and division	1929	1930	1931	1932
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Minnesota.....	10,246	9,300	8,850	9,700
Iowa.....	14,679	13,500	13,350	16,000
Missouri.....	20,997	20,300	22,300	24,500
North Dakota.....	13,361	13,200	13,850	15,000
South Dakota.....	9,315	9,100	8,650	9,100
Nebraska.....	13,066	12,800	13,800	14,500
Kansas.....	12,827	12,300	13,000	13,900
West North Central.....	94,491	90,500	93,800	102,700
Delaware.....	480	400	450	450
Maryland.....	3,626	3,300	3,400	3,500
Virginia.....	22,916	21,300	22,200	22,200
West Virginia.....	12,674	12,000	12,500	13,100
North Carolina.....	26,158	25,700	26,200	27,500
South Carolina.....	11,538	11,400	11,400	12,000
Georgia.....	26,691	26,400	26,400	26,700
Florida.....	1,783	1,900	2,000	2,200
South Atlantic.....	105,866	102,400	104,550	107,650
Kentucky.....	22,886	21,500	21,500	23,000
Tennessee.....	29,331	29,000	29,000	30,500
Alabama.....	32,964	32,000	33,000	34,600
Mississippi.....	21,832	22,500	23,800	26,200
Arkansas.....	23,999	22,800	23,000	24,900
Louisiana.....	5,816	5,500	5,500	6,100
Oklahoma.....	21,734	21,000	21,600	23,300
Texas.....	58,016	57,000	58,000	61,000
South Central.....	216,578	211,300	215,400	229,600
Montana.....	4,503	4,350	4,200	4,800
Idaho.....	2,450	2,250	2,300	2,500
Wyoming.....	1,354	1,250	1,200	1,300
Colorado.....	3,579	3,200	3,100	3,600
New Mexico.....	1,321	1,250	1,250	1,370
Arizona.....	511	450	450	550
Utah.....	1,752	1,530	1,530	1,600
Nevada.....	176	170	160	170
Washington.....	3,196	2,850	2,700	3,100
Oregon.....	2,529	2,350	2,400	2,800
California.....	1,944	1,650	1,550	1,700
Western.....	23,315	21,300	20,840	23,490
United States.....	542,064	518,300	529,320	566,200

Items for 1929 are from Census. Other years are estimates of the Division of Crop and Livestock Estimates, using 1929 Census as a base.

TABLE 38.—*Farm butter sold, by States, 1929-32*

State and division	1929	1930	1931	1932
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Maine.....	5,545	5,500	5,350	5,550
New Hampshire.....	1,252	1,210	1,200	1,140
Vermont.....	1,779	1,590	1,580	1,520
Massachusetts.....	502	440	420	385
Rhode Island.....	23	22	22	22
Connecticut.....	329	240	220	220
New York.....	9,135	8,450	8,100	8,500
New Jersey.....	249	225	200	200
Pennsylvania.....	12,055	10,850	10,500	10,800
North Atlantic.....	30,869	28,527	27,592	28,337
Ohio.....	6,038	5,450	6,150	7,200
Indiana.....	2,987	2,550	2,400	2,850
Illinois.....	4,985	4,400	4,750	5,100
Michigan.....	4,718	4,150	4,850	5,800
Wisconsin.....	925	750	825	1,000
East North Central.....	19,653	17,300	18,975	21,950
Minnesota.....	1,153	800	700	900
Iowa.....	2,318	1,850	1,800	2,900
Missouri.....	3,492	3,250	4,000	4,800
North Dakota.....	1,482	1,400	1,550	2,200
South Dakota.....	710	650	550	650
Nebraska.....	1,623	1,500	1,800	2,200
Kansas.....	2,236	2,000	2,400	2,800
West North Central.....	13,014	11,450	12,800	16,450
Delaware.....	278	200	225	225
Maryland.....	2,175	1,975	2,025	2,075
Virginia.....	6,860	6,200	6,400	6,350
West Virginia.....	4,314	4,000	4,250	4,600
North Carolina.....	6,738	6,600	6,750	7,150
South Carolina.....	2,631	2,550	2,600	2,750
Georgia.....	6,679	6,500	6,550	6,600
Florida.....	380	425	450	475
South Atlantic.....	30,055	28,450	29,250	30,225
Kentucky.....	3,356	3,000	3,000	3,400
Tennessee.....	5,900	5,800	5,800	6,100
Alabama.....	4,302	4,000	4,250	4,650
Mississippi.....	1,721	1,850	2,000	2,300
Arkansas.....	2,960	2,750	2,850	3,150
Louisiana.....	713	600	600	800
Oklahoma.....	3,991	3,750	3,900	4,100
Texas.....	14,635	14,250	14,500	15,400
South Central.....	37,578	36,000	36,900	39,900

TABLE 38.—*Farm butter sold, by States, 1929-32--Con.*

State and division	1929	1930	1931	1932
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Montana.....	861	800	750	900
Idaho.....	405	350	350	400
Wyoming.....	185	150	125	150
Colorado.....	583	500	450	550
New Mexico.....	299	275	260	300
Arizona.....	140	125	125	150
Utah.....	372	300	275	325
Nevada.....	31	30	25	25
Washington.....	496	400	375	475
Oregon.....	212	175	175	250
California.....	292	220	200	225
Western.....	3, 876	3, 325	3, 110	3, 750
United States.....	135, 045	125, 052	128, 627	140, 612

Items for 1929 are from Census. Other years are estimates of Division of Crop and Livestock Estimates, using 1929 Census as a base.

TABLE 39.—*Milk and milk equivalent of cream sold from farms, by States, 1929-32*

State and division	1929	1930	1931	1932
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Maine.....	384	417	411	396
New Hampshire.....	291	304	306	303
Vermont.....	1, 092	1, 165	1, 204	1, 190
Massachusetts.....	669	673	662	640
Rhode Island.....	117	123	122	121
Connecticut.....	498	520	533	554
New York.....	6, 074	6, 212	6, 507	6, 450
New Jersey.....	639	630	635	614
Pennsylvania.....	3, 350	3, 475	3, 588	3, 513
North Atlantic.....	13, 114	13, 519	13, 968	13, 781
Ohio.....	3, 146	3, 145	3, 197	3, 069
Indiana.....	2, 390	2, 328	2, 430	2, 399
Illinois.....	3, 516	3, 699	3, 686	3, 716
Michigan.....	3, 232	3, 244	3, 351	3, 303
Wisconsin.....	10, 150	10, 303	10, 380	10, 069
East North Central.....	22, 434	22, 719	23, 044	22, 556



TABLE 39.—*Milk and milk equivalent of cream sold from farms, by States, 1929-32—Continued*

State and division	1929	1930	1931	1932
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Minnesota.....	6, 456	6, 604	6, 746	6, 791
Iowa.....	4, 818	4, 905	4, 911	4, 920
Missouri.....	2, 294	2, 458	2, 551	2, 440
North Dakota.....	1, 470	1, 557	1, 635	1, 594
South Dakota.....	1, 638	1, 714	1, 689	1, 494
Nebraska.....	1, 951	2, 095	2, 063	1, 972
Kansas.....	2, 210	2, 298	2, 418	2, 432
West North Central.....	20, 837	21, 631	22, 013	21, 643
Delaware.....	101	98	103	103
Maryland.....	596	572	584	580
Virginia.....	526	453	507	484
West Virginia.....	297	286	305	279
North Carolina.....	227	211	232	229
South Carolina.....	95	95	108	102
Georgia.....	236	237	231	221
Florida.....	164	148	159	158
South Atlantic.....	2, 242	2, 100	2, 229	2, 156
Kentucky.....	1, 005	896	903	881
Tennessee.....	697	666	673	635
Alabama.....	201	198	194	208
Mississippi.....	498	523	566	554
Arkansas.....	395	362	426	430
Louisiana.....	243	221	230	230
Oklahoma.....	1, 332	1, 327	1, 427	1, 468
Texas.....	1, 691	1, 650	1, 785	1, 821
South Central.....	6, 062	5, 843	6, 204	6, 227
Montana.....	569	577	523	501
Idaho.....	758	828	833	826
Wyoming.....	222	212	206	189
Colorado.....	848	848	825	747
New Mexico.....	153	152	154	145
Arizona.....	149	157	157	153
Utah.....	464	467	467	450
Nevada.....	95	101	93	86
Washington.....	1, 346	1, 415	1, 416	1, 406
Oregon.....	1, 008	1, 067	1, 084	1, 065
California.....	3, 606	3, 650	3, 646	3, 621
Western.....	9, 218	9, 474	9, 404	9, 189
United States.....	73, 907	75, 286	76, 862	75, 552

Division of Crop and Livestock Estimates.



TABLE 40.—*Monthly average farm prices of milk cows per head, United States, 1927-33*

Month	1927	1928	1929	1930	1931	1932	1933
	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>
January.....	66.77	83.11	91.54	89.17	59.90	42.09	31.67
February.....	68.22	86.34	91.77	85.02	56.88	40.57	31.29
March.....	70.18	87.95	92.80	81.00	56.34	39.42	31.30
April.....	71.98	88.55	93.55	80.70	56.53	39.29	31.97
May.....	72.43	89.00	94.94	79.53	54.45	37.34	34.42
June.....	74.19	89.90	95.29	77.62	51.50	36.10	35.30
July.....	74.15	90.37	96.34	71.75	49.47	36.44	36.45
August.....	74.24	90.43	95.26	65.91	47.85	36.20	34.83
September.....	76.10	92.56	95.55	66.23	46.68	35.88	-----
October.....	78.62	92.86	95.12	66.37	45.58	34.39	-----
November.....	81.09	93.05	94.48	64.68	45.99	33.24	-----
December.....	82.36	92.87	92.61	62.00	44.17	32.40	-----
Average.....	74.19	89.75	94.10	74.16	51.28	36.95	-----

Division of Crop and Livestock Estimates.

TABLE 41.—*Farm price of milk per 100 pounds on the 15th of each month, United States, 1920-33*

Month	1920	1921	1922	1923	1924	1925	1926
	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>
January.....	3.51	3.22	2.65	2.79	2.86	2.48	2.74
February.....	3.52	3.14	2.59	2.81	2.84	2.55	2.68
March.....	3.43	3.07	2.56	2.75	2.75	2.62	2.56
April.....	3.46	2.98	2.48	2.75	2.50	2.48	2.46
May.....	3.38	2.78	2.38	2.65	2.40	2.47	2.39
June.....	3.33	2.70	2.45	2.70	2.40	2.47	2.35
July.....	3.34	2.64	2.49	2.64	2.29	2.45	2.40
August.....	3.42	2.65	2.48	2.70	2.18	2.55	2.37
September.....	3.43	2.66	2.54	2.81	2.35	2.56	2.47
October.....	3.49	2.74	2.56	2.98	2.43	2.73	2.46
November.....	3.47	2.76	2.57	3.02	2.45	2.69	2.60
December.....	3.35	2.73	2.69	2.92	2.55	2.65	2.61
Weighted average.....	3.42	2.83	2.52	2.78	2.49	2.55	2.50

Division of Crop and Livestock Estimates.

TABLE 41.—*Farm price of milk per 100 pounds on the 15th of each month, United States, 1920-33—Contd.*

Month	1927	1928	1929	1930	1931	1932	1933
	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>
January.....	2.68	2.67	2.64	2.53	2.04	1.56	1.25
February.....	2.64	2.69	2.64	2.44	1.96	1.49	1.16
March.....	2.55	2.61	2.63	2.38	1.92	1.43	1.10
April.....	2.58	2.51	2.59	2.35	1.85	1.39	1.08
May.....	2.51	2.49	2.53	2.28	1.73	1.29	1.14
June.....	2.44	2.45	2.47	2.22	1.66	1.17	1.21
July.....	2.40	2.45	2.46	2.15	1.62	1.20	1.33
August.....	2.36	2.46	2.50	2.18	1.64	1.21	1.39
September.....	2.48	2.56	2.52	2.25	1.70	1.25	-----
October.....	2.55	2.60	2.55	2.30	1.72	1.28	-----
November.....	2.56	2.63	2.60	2.31	1.73	1.26	-----
December.....	2.64	2.65	2.60	2.20	1.67	1.26	-----
Weighted average.....	2.52	2.55	2.55	2.30	1.77	1.31	-----

Division of Crop and Livestock Estimates.

TABLE 42.—*Average prices received by farmers for the milk sold as milk, cream, and farm butter, by States, 1929-32*

State and division	Prices received per 100 pounds of milk utilized				Prices received per pound of butter-fat in the milk utilized			
	1929	1930	1931	1932	1929	1930	1931	1932
	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Cts.</i>	<i>Cts.</i>	<i>Cts.</i>	<i>Cts.</i>
Maine.....	3.18	2.98	2.44	2.11	78	73	60	52
New Hampshire.....	3.46	3.33	2.53	2.14	90	86	66	55
Vermont.....	2.83	2.51	1.86	1.55	70	62	46	38
Massachusetts.....	3.98	3.95	3.30	2.81	106	105	88	75
Rhode Island.....	3.81	3.84	3.25	2.67	100	101	85	70
Connecticut.....	4.20	4.04	3.48	2.79	111	106	92	73
New York.....	2.89	2.61	1.93	1.44	79	72	53	40
New Jersey.....	3.99	4.00	3.36	2.84	111	111	93	79
Pennsylvania.....	3.20	2.96	2.37	1.88	85	79	63	50
N. Atlantic.....	3.15	2.91	2.27	1.79	84	78	61	48
Ohio.....	2.62	2.24	1.70	1.32	65	55	42	33
Indiana.....	2.36	2.06	1.57	1.23	57	50	38	30
Illinois.....	2.40	2.12	1.69	1.37	63	56	44	36
Michigan.....	2.34	1.98	1.52	1.15	62	52	40	30
Wisconsin.....	2.14	1.68	1.22	.93	58	46	33	25
E. N. Central.....	2.30	1.91	1.44	1.12	60	50	38	29

TABLE 42.—Average prices received by farmers for the milk sold as milk, cream, and farm butter, by States, 1929-32—Continued

State and division	Prices received per 100 pounds of milk utilized				Prices received per pound of butterfat in the milk utilized			
	1929	1930	1931	1932	1929	1930	1931	1932
	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Cts.</i>	<i>Cts.</i>	<i>Cts.</i>	<i>Cts.</i>
Minnesota.....	1.91	1.53	1.13	0.85	51	41	30	23
Iowa.....	1.85	1.52	1.14	.86	49	40	30	23
Missouri.....	2.06	1.67	1.27	.99	49	40	30	24
North Dakota.....	1.73	1.32	.98	.72	46	35	26	19
South Dakota.....	1.72	1.33	1.03	.75	45	35	27	20
Nebraska.....	1.81	1.43	1.10	.81	47	37	29	21
Kansas.....	1.90	1.55	1.23	.91	48	39	31	23
W. N. Central.....	1.88	1.51	1.14	.86	49	39	30	22
Delaware.....	3.52	3.27	2.76	2.14	92	85	72	56
Maryland.....	3.31	3.21	2.67	2.25	83	81	67	57
Virginia.....	2.74	2.58	2.15	1.86	67	64	53	46
West Virginia.....	3.16	2.99	2.43	2.14	77	73	59	52
North Carolina.....	3.39	3.25	2.77	2.24	79	76	64	52
South Carolina.....	3.94	3.76	3.02	2.47	89	85	68	56
Georgia.....	2.98	2.69	2.26	1.86	69	62	52	43
Florida.....	4.80	4.78	4.47	3.81	116	115	108	92
S. Atlantic.....	3.25	3.10	2.61	2.20	79	75	63	53
Kentucky.....	2.39	2.11	1.70	1.31	55	48	39	30
Tennessee.....	2.37	2.06	1.54	1.19	54	47	35	27
Alabama.....	3.00	2.85	2.34	1.74	67	64	52	39
Mississippi.....	2.49	2.19	1.60	1.17	56	49	36	26
Arkansas.....	2.47	2.21	1.69	1.25	57	51	39	29
Louisiana.....	3.71	3.71	2.98	2.19	86	86	69	51
Oklahoma.....	2.17	1.80	1.40	1.01	51	42	33	24
Texas.....	2.48	2.21	1.66	1.24	57	51	38	28
S. Central.....	2.46	2.17	1.67	1.24	57	50	38	29
Montana.....	2.16	1.77	1.48	1.15	55	45	38	29
Idaho.....	1.99	1.62	1.23	.93	51	42	32	24
Wyoming.....	2.23	1.92	1.50	1.31	58	50	39	34
Colorado.....	1.98	1.60	1.27	.99	52	42	33	26
New Mexico.....	2.90	2.57	2.03	1.68	72	64	50	42
Arizona.....	3.90	3.82	3.34	2.48	102	100	87	65
Utah.....	2.00	1.69	1.32	1.02	53	45	35	27
Nevada.....	2.15	2.00	1.66	1.33	57	53	44	35
Washington.....	2.45	2.11	1.62	1.29	61	53	40	32
Oregon.....	2.40	2.05	1.55	1.23	56	48	36	29
California.....	2.83	2.57	2.16	1.81	74	68	57	48
Western.....	2.49	2.18	1.77	1.44	64	56	45	37
United States.....	2.41	2.07	1.61	1.26	62	53	41	32

Division of Crop and Livestock Estimates.

TABLE 43.—*Milk:*<sup>1</sup> *Prices paid to farmers, per quart, on 15th day of the month, United States, 1919–33*

Month	1919	1920	1921	1922	1923	1924	1925
	<i>Cts.</i>	<i>Cts.</i>	<i>Cts.</i>	<i>Cts.</i>	<i>Cts.</i>	<i>Cts.</i>	<i>Cts.</i>
January.....	11.7	13.0	12.3	10.7	10.9	11.1	11.4
February.....	11.7	12.9	12.0	10.6	11.0	11.1	11.3
March.....	11.6	12.9	11.9	10.4	10.8	11.1	11.2
April.....	11.5	12.8	11.5	10.2	10.8	11.1	11.2
May.....	11.5	12.8	11.1	10.1	10.8	10.9	11.1
June.....	11.5	12.8	10.8	10.2	10.8	10.8	11.0
July.....	11.6	12.8	10.6	10.2	10.8	10.9	11.0
August.....	11.8	12.9	10.7	10.2	10.8	10.9	11.1
September.....	12.1	12.9	10.8	10.5	10.9	11.0	11.1
October.....	12.3	12.9	11.0	10.6	11.0	11.0	11.2
November.....	12.6	12.8	10.9	10.7	11.1	11.1	11.3
December.....	13.0	12.5	10.9	10.8	11.2	11.2	11.4
Average.....	11.9	12.8	11.2	10.4	10.9	11.0	11.2

  

Month	1926	1927	1928	1929	1930	1931	1932	1933
	<i>Cts.</i>	<i>Cts.</i>	<i>Cts.</i>	<i>Cts.</i>	<i>Cts.</i>	<i>Cts.</i>	<i>Cts.</i>	<i>Cts.</i>
January.....	11.3	11.4	11.4	11.5	11.4	10.8	9.5	8.4
February.....	11.3	11.4	11.3	11.6	11.4	10.5	9.3	8.2
March.....	11.3	11.3	11.3	11.5	11.3	10.5	9.3	8.1
April.....	11.3	11.1	11.3	11.5	11.3	10.4	9.1	8.0
May.....	11.2	11.0	11.3	11.3	11.3	10.2	8.9	8.1
June.....	11.2	11.1	11.2	11.3	11.2	10.0	8.6	8.3
July.....	11.2	11.1	11.2	11.3	11.1	10.0	8.6	8.6
August.....	11.2	11.1	11.3	11.3	11.2	9.9	8.6	8.8
September.....	11.2	11.2	11.3	11.4	11.3	9.9	8.6	-----
October.....	11.2	11.3	11.4	11.5	11.2	9.9	8.6	-----
November.....	11.3	11.4	11.5	11.5	11.2	9.9	8.6	-----
December.....	11.4	11.4	11.5	11.5	11.1	9.7	8.4	-----
Average.....	11.3	11.2	11.3	11.4	11.2	10.1	8.8	-----

Division of Crop and Livestock Estimates.

<sup>1</sup> For milk sold at retail.



TABLE 44.—*Milk: Average prices per hundred pounds paid producers by condenseries for 3.5 percent milk, f.o.b. factory, United States, 1922-33*

Month	1922	1923	1924	1925	1926	1927
	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>
January.....	1.70	2.40	2.18	1.92	2.17	2.28
February.....	1.53	2.37	2.13	1.93	2.06	2.28
March.....	1.50	2.31	2.09	1.93	2.03	2.20
April.....	1.48	2.22	1.93	1.93	1.93	2.14
May.....	1.45	2.04	1.72	1.88	1.81	2.00
June.....	1.45	2.02	1.64	1.82	1.79	1.91
July.....	1.60	2.12	1.66	1.91	1.79	1.91
August.....	1.71	2.13	1.66	1.98	1.84	2.00
September.....	1.75	2.18	1.66	2.01	1.95	2.07
October.....	1.86	2.23	1.70	2.09	2.00	2.15
November.....	2.08	2.21	1.71	2.15	2.09	2.20
December.....	2.31	2.21	1.85	2.15	2.22	2.25
Average.....	1.70	2.21	1.83	1.98	1.97	2.12

  

Month	1928	1929	1930	1931	1932	1933
	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>
January.....	2.27	2.23	1.87	1.42	1.12	0.95
February.....	2.22	2.18	1.71	1.35	.99	.84
March.....	2.08	2.14	1.69	1.27	.95	.82
April.....	2.05	2.07	1.68	1.21	.93	.81
May.....	1.97	1.99	1.67	1.12	.86	.93
June.....	1.92	1.92	1.58	1.04	.81	1.00
July.....	1.96	1.91	1.54	1.02	.77	1.07
August.....	2.07	1.96	1.61	1.03	.80	1.10
September.....	2.16	1.97	1.72	1.12	.85	1.07
October.....	2.19	2.04	1.75	1.22	.86	-----
November.....	2.21	2.07	1.67	1.23	.86	-----
December.....	2.23	2.02	1.56	1.19	.92	-----
Average.....	2.12	2.04	1.67	1.18	..89	-----

Compiled from reports of the Bureau of Agricultural Economics, secured through the cooperation of firms operating condenseries.



TABLE 45.—*Butterfat: Farm price per pound on the 15th of each month, 1920-33*

Month	1920	1921	1922	1923	1924	1925	1926
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	61.8	48.4	33.4	47.0	50.6	40.6	45.2
February.....	59.1	42.8	34.0	44.9	48.5	37.9	43.1
March.....	59.7	44.9	34.5	44.9	46.4	41.5	42.9
April.....	61.3	41.8	33.4	46.0	40.8	40.5	40.4
May.....	54.5	29.7	33.4	40.3	37.6	40.3	39.1
June.....	52.7	27.6	33.9	36.9	37.1	39.9	39.3
July.....	52.5	31.6	34.8	36.7	37.8	40.5	38.6
August.....	52.0	36.8	32.8	38.7	35.8	41.3	38.6
September.....	55.9	36.2	35.5	42.2	36.6	42.6	40.5
October.....	56.3	40.0	39.2	44.1	36.6	47.1	42.4
November.....	56.5	40.6	44.2	47.8	37.0	47.8	44.8
December.....	49.4	39.9	50.3	49.2	41.1	47.6	47.9
Average.....	55.5	37.0	35.9	42.2	39.8	41.9	41.3

  

Month	1927	1928	1929	1930	1931	1932	1933
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	46.9	48.5	47.6	36.7	26.2	22.8	18.9
February.....	46.8	46.0	47.8	35.4	25.0	19.8	15.8
March.....	48.0	46.5	48.3	34.9	27.5	19.5	15.1
April.....	47.1	45.4	46.5	37.3	26.4	17.8	16.5
May.....	43.6	44.4	45.4	36.5	21.2	16.3	20.2
June.....	40.8	43.5	43.6	31.6	20.5	14.6	19.7
July.....	40.3	43.3	43.4	31.6	21.1	14.4	23.0
August.....	39.4	44.3	43.3	35.2	23.9	17.5	18.4
September.....	41.6	46.5	44.6	37.7	26.6	17.6	-----
October.....	44.4	47.0	45.6	37.0	30.9	17.8	-----
November.....	45.8	47.6	43.5	35.3	28.2	18.4	-----
December.....	47.8	49.2	41.9	30.6	27.3	21.1	-----
Average.....	43.7	45.6	44.9	34.8	24.7	17.6	-----

Division of Crop and Livestock Estimates. Quotations cover butterfat for all uses. Based on reports of special price reporters. Monthly prices by States, weighted by number of milk cows Jan. 1, to obtain a price for the United States; yearly price obtained by weighting monthly prices by production of creamery butter.

TABLE 46.—*Butter: Farm price per pound, on the 15th of each month, United States, 1920-33*

Month	1920	1921	1922	1923	1924	1925	1926
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	59.6	47.0	37.4	43.0	44.9	41.3	44.3
February.....	56.8	43.6	34.6	42.0	44.4	38.7	42.7
March.....	56.0	41.2	34.6	41.6	43.2	39.5	41.7
April.....	56.8	39.5	34.6	40.8	40.3	39.7	41.1
May.....	55.6	34.0	34.1	39.4	38.3	39.5	40.1
June.....	52.6	29.2	33.1	37.9	36.3	38.2	39.5
July.....	51.8	31.6	33.0	37.0	37.0	39.2	39.1
August.....	52.2	35.4	33.4	38.0	37.7	40.0	39.0
September.....	53.2	37.4	34.8	40.2	38.2	41.1	40.9
October.....	54.2	39.6	37.4	42.2	38.8	44.2	41.8
November.....	54.5	41.0	40.2	44.3	39.3	46.1	43.5
December.....	51.8	40.7	42.9	45.8	41.8	46.0	45.5
Weighted average..	54.3	37.0	35.3	40.4	39.4	40.7	41.1

  

Month	1927	1928	1929	1930	1931	1932	1933
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	44.0	45.2	45.3	39.9	31.0	26.3	20.6
February.....	43.7	43.9	45.2	38.1	28.1	23.4	18.4
March.....	43.5	43.9	45.2	36.8	29.4	23.0	18.0
April.....	43.4	44.0	44.4	38.1	29.2	21.9	18.6
May.....	42.1	42.9	43.6	37.7	25.9	20.2	19.9
June.....	40.4	42.2	42.5	34.7	24.4	18.6	19.9
July.....	40.3	42.4	42.6	34.3	24.7	18.4	21.3
August.....	40.3	42.8	42.9	35.7	25.9	19.7	20.4
September.....	41.7	44.3	43.7	38.4	27.9	19.9	-----
October.....	43.4	45.2	44.9	38.3	30.3	20.2	-----
November.....	44.5	45.6	44.4	37.7	29.9	20.4	-----
December.....	45.7	46.3	43.0	34.8	29.2	21.3	-----
Weighted average..	42.3	43.7	43.8	36.8	27.4	20.7	-----

Division of Crop and Livestock Estimates.

TABLE 47.—*Milk and butterfat: Supply and utilization in the United States, 1931*

	Milk		Butterfat	
	Million pounds	Percent	Million pounds	
Production: <sup>1</sup>				
Cows on farms.....	101, 970	3. 93	4, 006	
Cows not on farms <sup>2</sup> .....	2, 826	4. 26	120	
Total production by cows.....	104, 796	3. 94	4, 126	
Net imports of milk and cream.....	11	4. 00	( <sup>3</sup> )	
Total production and balance of trade.....	104, 807	-----	4, 126	
Utilization:				
Used on farms where produced.....	25, 108	4. 10	1, 030	
Used as milk or cream by population not on farms <sup>4</sup> .....	32, 168	3. 83	1, 233	
Used for manufacturing creamery butter, cheese, condensed and evaporated milk, factory ice cream, and other manufactured products. Net quantity duplications being omitted <sup>5</sup> .....	44, 806	3. 90	1, 746	
To balance <sup>6</sup> .....	2, 725	-----	117	
Total utilization.....	104, 807	3. 94	4, 126	

Bureau of Agricultural Economics.

<sup>1</sup> The production estimates here shown differ from some previously published in that they do not include all milk secreted by the cows but include such milk as farmers ordinarily consider as "produced." They exclude milk sucked by calves and milk spilled or lost up to the time it is measured, skimmed, or delivered by the farmers. The estimates are based chiefly on the 1930 Census enumeration of cows milked in 1929, production of milk and butter, sales of milk, cream and butterfat from farms, and daily milk production at time of enumeration. Estimates for certain States adjusted toward records of commercial milk and cream deliveries by farmers. Year-to-year changes calculated chiefly from reports of crop correspondents. The production estimates do not include milk produced by milk goats which may have exceeded 150,000,000 pounds. To reduce pounds of milk to gallons, divide by 8.6.

<sup>2</sup> Not accurately known. Not adjusted for 1930-31 change, if any.

<sup>3</sup> About 440,000 pounds butterfat, mostly in form of cream.

<sup>4</sup> As calculated by multiplying nonfarm population of each State by the per capita consumption of milk and milk equivalent of cream as estimated from reports by city boards of health. These estimates include milk used for manufacturing purposes by bakeries, candy factories, small ice cream manufacturers, local retail milk dealers and establishments not reporting dairy products manufactured.

<sup>5</sup> New method of calculation. For details and explanation see table 50.

<sup>6</sup> Includes various consumption items not estimated separately, chiefly butterfat lost in the skimming of milk on farms for sale of butterfat, shrinkage and loss in the marketing of butterfat from farms, milk purchased by people on farms (including both purchases by those who have no cows and purchases by others while all of their cows are dry), milk used for breeding or for making butter by nonfarm families keeping cows, whole milk fed to livestock other than calves, and commercial ice cream mix used elsewhere than in factories reporting. These items are partially offset by differences between the production and the utilization indications as here calculated.

TABLE 48.—*Dairy products made in factories, by months, 1931*

Manufactured product	Number factories reporting	January	February	March	April	May	June
		<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Creamery butter <sup>1</sup> .....	4,397	118,354	109,596	126,792	145,367	183,783	194,256
Renovated or process butter.....	5	127	68	93	88	61	52
American cheese:							
Whole milk.....	2,260	21,941	22,018	27,571	32,940	44,439	49,513
Part skim.....	30	212	230	245	317	456	373
Full skim.....	9	38	57	69	69	64	58
Swiss cheese (including block).....	348	916	802	1,098	1,902	4,026	4,528
Munster cheese.....	58	462	406	548	570	617	575
Brick cheese.....	321	2,317	2,151	2,562	2,771	3,069	3,147
Limburger cheese.....	97	360	338	520	720	1,040	1,055
All Italian varieties of cheese.....	52	275	265	392	362	362	314
Neufchatel cheese.....	20	1,973	1,944	1,923	1,841	1,897	1,889
Cream cheese.....	55	962	926	1,084	996	1,326	1,194
All other varieties of cheese.....	60	413	432	483	423	419	407
Cottage, pot, and bakers' cheese.....	959	7,615	7,793	9,508	9,045	9,691	9,111
Sweetened condensed milk:							
Case goods:							
Skimmed.....	4	205	145	102	172	201	144
Unskimmed.....	27	8,701	9,787	10,537	8,131	8,451	6,723
Bulk goods:							
Skimmed.....	159	11,388	8,513	11,384	13,030	15,537	15,522
Unskimmed.....	77	3,744	3,392	3,289	3,630	4,670	4,436



## Unsweetened condensed milk (plain condensed):

## Bulk goods:

Skimmed-----	202	9,003	9,139	11,007	12,513	15,910	18,211
Unskimmed-----	121	8,267	8,831	10,927	10,010	11,603	13,051
Evaporated milk (unsweetened):							
Case goods:							
Skimmed-----	1	1	-----	2	8	9	14
Unskimmed-----	134	104,038	108,929	128,276	147,243	181,982	177,078

Concentrated skim milk (for animal feed)-----	35	2,386	2,291	2,385	2,649	3,191	3,295
Condensed or evaporated buttermilk (including concentrated product)-----	81	6,140	5,206	5,147	5,719	7,903	7,615
Dried or powdered buttermilk-----	315	4,686	4,438	4,958	5,049	5,327	5,455
Powdered whole milk-----	35	748	689	871	1,232	1,755	2,230
Powdered skim milk-----	312	22,087	19,370	23,712	25,320	29,020	26,422
Powdered cream-----	5	-----	-----	72	79	2	4
Dried casein (skim milk or buttermilk product)-----	222	3,240	2,981	3,550	3,816	4,066	4,127
Malted milk-----	13	1,901	1,808	1,604	1,915	1,721	1,639
Milk sugar (crude)-----	11	898	837	1,033	974	1,200	1,131
Ice cream (all kinds), gallons-----	3,676	9,031	9,402	11,818	17,035	22,580	29,654

<sup>1</sup> Includes whey butter.

NOTE.—Unsweetened condensed milk (plain condensed) classified as “Evaporated milk (unsweetened) bulk goods”, in previous years.



TABLE 48.—*Dairy products made in factories, by months, 1931—Continued*

Manufactured product	July	August	September	October	November	December	Total 1931
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Creamery butter 1.....	161, 296	140, 395	120, 936	126, 569	117, 035	123, 073	1, 667, 452
Renovated or process butter.....	86	128	161	169	99	104	1, 236
American cheese:							
Whole milk.....	40, 595	32, 956	29, 139	30, 470	23, 016	20, 050	374, 648
Part skim.....	210	191	188	221	212	253	3, 108
Full skim.....	13	11	9	10	10	8	416
Swiss cheese (including block).....	3, 824	3, 249	2, 867	2, 673	1, 513	836	28, 234
Munster cheese.....	404	347	344	491	425	504	5, 693
Brick cheese.....	2, 592	2, 318	2, 125	2, 423	2, 227	2, 088	29, 791
Limburger cheese.....	834	788	758	841	670	584	8, 508
All Italian varieties of cheese.....	322	279	212	235	230	245	3, 493
Neufchatel cheese.....	1, 564	1, 411	1, 523	1, 726	1, 873	1, 782	21, 346
Cream cheese.....	961	706	1, 982	1, 094	1, 075	985	12, 291
All other varieties of cheese.....	334	342	374	435	390	399	4, 851
Cottage, pot, and bakers' cheese.....	9, 402	8, 209	7, 821	8, 157	7, 678	7, 587	101, 617
Sweetened condensed milk:							
Case goods:							
Skimmed.....	143	99	188	143	73	142	1, 757
Unskimmed.....	8, 086	6, 283	6, 865	8, 726	7, 638	7, 541	97, 469
Bulk goods:							
Skimmed.....	12, 668	12, 115	10, 427	12, 435	8, 758	8, 584	140, 361
Unskimmed.....	3, 768	4, 002	4, 263	4, 501	3, 371	2, 821	45, 887

## Unsweetened condensed milk (plain condensed):

## Bulk goods:

Skimmed-----	16, 344	14, 169	12, 044	9, 886	8, 869	8, 321	145, 416
Unskimmed-----	11, 503	9, 539	8, 145	6, 658	5, 639	5, 865	110, 038
Evaporated milk (unsweetened):							
Case goods:							
Skimmed-----	13	13	21	13	5	-----	86
Unskimmed-----	128, 842	95, 205	83, 254	99, 355	85, 949	88, 842	1, 428, 993

Concentrated skim milk (for animal feed) -----  
Condensed or evaporated buttermilk (including concentrated product) -----

Dried or powdered buttermilk-----	4, 340	4, 854	4, 882	4, 626	3, 778	4, 409	64, 619
Powdered whole milk-----	4, 189	3, 369	2, 894	3, 210	3, 234	3, 726	50, 535
Powdered skim milk-----	1, 102	575	765	990	670	1, 000	12, 627
Powdered cream-----	21, 869	19, 870	16, 776	19, 167	18, 260	20, 065	261, 938
Dried casein (skim milk or buttermilk product) -----	1					3	161
Malted milk-----	2, 999	2, 366	1, 912	2, 177	1, 940	2, 161	35, 335
Milk sugar (crude)-----	1, 460	1, 502	1, 670	1, 619	1, 170	1, 188	19, 197
Ice cream (all kinds), gallons-----	723	549	476	580	530	631	9, 562
	33, 624	25, 975	20, 860	11, 645	8, 832	7, 783	208, 239

<sup>1</sup> Includes whey butter.

NOTE.—Unsweetened condensed milk (plain condensed) classified as “Evaporated milk (unsweetened) bulk goods”, in previous years.

TABLE 49.—*Production of manufactured dairy products*

Manufactured product	1925	1926	1927	1928	1929	1930	1931	1932
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Creamery butter.....	1,361,526	1,451,766	1,496,495	1,487,049	1,597,027	1,595,231	1,667,452	1,694,132
Whey butter.....	1,774	2,872	1,217	1,097	1,221	2,516	(1)	(1)
Renovated or process butter.....	2,519	2,505	4,286	2,716	2,531	1,850	1,236	950
American cheese (whole milk).....	347,240	335,915	307,779	335,253	370,314	378,816	374,648	370,743
American cheese (part skim).....	2,793	2,927	3,390	2,900	4,951	3,653	3,108	3,319
American cheese (full skim).....	3,298	1,384	1,888	3,048	1,074	669	416	225
Swiss cheese (including block).....	23,457	20,883	18,141	16,718	19,406	26,393	28,234	25,533
Brick and Munster cheese.....	34,101	31,048	31,546	28,960	31,763	33,548	35,484	36,973
Limburger cheese.....	9,163	9,639	8,842	7,437	8,568	8,473	8,508	7,897
Cottage, pot, and baker's cheese.....	59,485	67,977	75,679	87,525	94,941	97,641	101,617	103,524
Cream and Neufchâtel cheese.....	17,575	18,192	25,962	30,589	34,405	33,213	33,637	31,608
Italian varieties of cheese.....	1,562	2,425	3,377	3,587	5,948	8,573	3,493	3,795
Other varieties of cheese.....	4,325	5,003	5,763	9,027	7,504	7,029	4,851	4,010
Sweetened condensed milk:								
Case goods:								
Skimmed.....	3,135	1,298	1,623	1,366	1,632	2,092	1,757	1,167
Unskimmed.....	186,807	154,944	161,355	139,077	145,922	121,626	97,469	70,288
Bulk goods:								
Skimmed.....	114,198	147,473	143,722	154,723	202,475	158,971	140,361	120,923
Unskimmed.....	44,758	55,737	39,668	38,660	51,689	62,421	45,887	42,628
Evaporated milk (unsweetened):								
Case goods:								
Skimmed.....	5,994	11,985	8,100	10,618	0	1,650	86	0
Unskimmed.....	1,202,456	1,158,476	1,273,815	1,337,022	1,499,644	1,449,149	1,428,993	1,570,612

## Unsweetened condensed milk (plain condensed):

## Bulk goods:

Skimmed-----	86, 954	116, 758	126, 085	147, 625	153, 624	156, 212	145, 416	138, 646
Unskimmed-----	113, 556	86, 833	101, 354	89, 336	151, 662	128, 203	110, 038	96, 052
Sterilized milk (canned)-----	1, 576	1, 286	0	0	0	0	0	0
Condensed or evaporated buttermilk-----	77, 079	86, 687	99, 180	102, 452	107, 288	96, 431	64, 619	52, 167
Dried or powdered buttermilk-----	20, 246	31, 378	38, 435	45, 502	54, 215	64, 601	50, 535	48, 712
Powdered whole milk-----	8, 931	10, 768	11, 464	9, 605	13, 202	15, 440	12, 627	11, 983
Powdered skim milk-----	73, 317	91, 718	118, 123	147, 996	207, 579	260, 675	261, 938	270, 194
Powdered cream-----	339	331	338	673	294	400	161	80
Dried casein (skim-milk product)-----	16, 468	16, 893	18, 033	22, 151	30, 537	41, 965	35, 335	24, 428
Dried casein (buttermilk product)-----	192	60	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Malted milk-----	18, 050	20, 673	22, 116	21, 128	22, 850	22, 691	19, 197	13, 215
Milk sugar (crude)-----	5, 655	4, 476	4, 077	5, 323	8, 965	12, 779	9, 562	-----
Ice cream of all kinds (gallons)-----	214, 382	215, 248	226, 756	232, 185	254, 618	240, 750	208, 239	154, 604
Concentrated skim milk (animal feed)-----	-----	-----	15, 229	20, 982	14, 897	23, 152	27, 611	11, 400
Sherberts-----	-----	-----	-----	-----	-----	-----	-----	2, 208

‡ Included in creamery butter.

‡ Included in skim-milk product.



TABLE 50.—Milk and butterfat used in factories reporting manufactured dairy products, 1929, 1930, 1930, and 1931

Manufactured product	1929				1930				1931			
	Quantity manu- factured		Whole milk used <sup>1</sup>		Fat in milk used <sup>1</sup>		Quantity manu- factured		Whole milk used <sup>1</sup>		Fat in milk used <sup>1</sup>	
	1,000 pounds	1,000 pounds	1,000 pounds	Per- cent	1,000 pounds	Per- cent	1,000 pounds	Per- cent	1,000 pounds	Per- cent	1,000 pounds	Per- cent
Factory product: <sup>2</sup>												
Butter, creamery and whey	1,598,248	32,517,470	1,597,747	3.97	1,284,147	3.97	1,667,452	3.98	33,905,762	3.98	1,347,907	3.98
Cheese, American (whole and part skim)	375,265	3,832,549	382,469	3.57	3,903,900	3.58	377,756	3.58	3,851,425	3.58	137,881	3.58
Cheese, other than American and cottage, pot and bakers	107,594	1,061,361	117,229	3.38	1,157,259	3.38	114,207	3.40	1,121,384	3.40	38,134	3.40
Evaporated milk, whole	1,651,306	3,594,682	1,745,157	3.66	3,424,265	3.67	1,539,031	3.67	3,340,223	3.67	122,453	3.67
Condensed milk, whole	197,611	433,652	184,047	3.68	402,895	3.68	143,356	3.69	312,659	3.69	11,552	3.69
Ice cream, factory	1,200,762	3,806,406	1,135,502	3.89	3,592,377	3.88	982,953	3.87	3,121,020	3.87	121,158	3.87
Powdered cream	294	5,863	400	3.82	7,948	3.83	161	4.35	2,810	4.35	122	4.35
Powdered milk, whole	13,202	101,068	15,440	3.79	117,735	3.80	12,628	3.82	95,842	3.82	3,665	3.82
Malted milk	22,850	61,107	22,691	3.80	60,480	3.82	19,198	3.80	51,292	3.80	1,956	3.80



Total used for factory products--	45,414,158	1,767,044	45,006,595	1,749,970	45,802,417	1,784,828
Butterfat from whey cream-----	341,857	13,569	354,042	14,059	348,075	13,836
Butterfat from butter, etc., used in ice cream-----	761,231	29,596	721,120	27,987	647,967	25,144
Net used for factory products--	44,311,070	3.891,723,879	43,931,433	3.891,707,924	44,806,375	3.901,745,848

<sup>1</sup> Based on the quantities of milk and cream reported as being received for use in these products. In addition some fat remains in skim milk on farms, some is lost in spillage, stickage, etc., before being delivered, and some is excluded through rounding of fractional weights and tests upon delivery.

<sup>2</sup> These data differ from similar data previously issued in several respects. The milk required per pound of product is based on plant milk and cream receipts. Allowance has been made for duplication, principally in fat recovered from whey and in the use of such manufactured products as butter and evaporated or condensed milk in ice cream. It has been assumed that milk and cream used in ice cream made in homes and in small establishments not reporting as factories is included as consumption as fluid milk or cream.

TABLE 51.—*Tariff on dairy products*

Date effective	Butter and substitutes	Cheese and substitutes	Fresh milk	Fresh cream	Condensed milk	Milk sugar	Sour milk or butter-milk	Milk powder	Casein
	<i>Cents per pound</i>	<i>Cents per pound</i>	<i>Cents per gallon</i>	<i>Cents per gallon</i>	<i>Cents per pound</i>	<i>Cents per pound</i>	<i>Cents per gallon</i>	<i>Cents per pound</i>	<i>Cents per pound</i>
Aug. 6, 1909--	6	6	2	5	2	5			
Oct. 4, 1913--	2½	20 percent	Free.	Free.	Free.	Free.			
May 28, 1921--	6	23 percent	2	5	2	Free.			

Tariff laws.

<sup>1</sup> By proclamation of President under Flexible Tariff Act.

TABLE 52.—*Butter and cheese: Balance of trade in milk equivalent*

Year	Butter as milk equiva- lent	Cheese as milk equiva- lent	Year	Butter as milk equiva- lent	Cheese as milk equiva- lent
	<i>1,000 pounds</i>	<i>1,000 pounds</i>		<i>1,000 pounds</i>	<i>1,000 pounds</i>
1918.....	<i>E</i> 515, 319	<i>E</i> 409, 290	1926.....	<i>I</i> 39, 774	<i>I</i> 743, 350
1919.....	<i>E</i> 526, 218	<i>E</i> 33, 040	1927.....	<i>I</i> 82, 992	<i>I</i> 758, 060
1920.....	<i>I</i> 415, 863	<i>E</i> 31, 800	1928.....	<i>I</i> 6, 384	<i>I</i> 785, 220
1921.....	<i>I</i> 200, 844	<i>I</i> 149, 550	1929.....	<i>E</i> 23, 940	<i>I</i> 733, 470
1922.....	<i>E</i> 86, 478	<i>I</i> 413, 170	1930.....	<i>E</i> 10, 626	<i>I</i> 661, 820
1923.....	<i>I</i> 354, 375	<i>I</i> 559, 220	1931.....	<i>E</i> 2, 646	<i>I</i> 601, 270
1924.....	<i>I</i> 210, 168	<i>I</i> 545, 720	1932.....	<i>E</i> 12, 432	<i>I</i> 541, 330
1925.....	<i>I</i> 33, 327	<i>I</i> 527, 430			

Calculated from reports of the Bureau of Foreign and Domestic Commerce.

*E*=Export balance.

*I*=Import balance.

For calculating milk equivalent 1 pound of butter was considered equal to 21 pounds of milk and 1 pound of cheese equal to 10 pounds of milk.

TABLE 53.—*Dairy products: Per capita consumption in the United States*

Year	Milk equivalent, all products <sup>1</sup>	Milk used in cities and villages <sup>2</sup>	Butter <sup>3</sup>	Cheese <sup>4</sup>	Condensed and evaporated milk <sup>5</sup>		Ice cream <sup>6</sup>
	<i>Gallons</i>	<i>Gallons</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>		<i>Gallons</i>
1849-----			13.9	4.0			
1859-----			15.1	3.2			
1869-----			13.7	3.3			
1879-----			15.8	2.1			
1889-----			19.5	2.9			
1899-----			19.9	3.7			
1909-----			18.0	<sup>7</sup> 3.85			<sup>6</sup> 1.04
1914-----			17.0	<sup>7</sup> 4.60			1.68
1916-----			15.4	3.04			2.08
1917-----			14.6	2.89		10.49	2.07
1918-----			14.0	3.00		12.50	2.14
1919-----			14.8	3.50		12.30	2.49
1920-----			14.7	3.50		10.17	2.46
1921-----		38.0	16.1	3.50		11.40	2.28
1922-----			16.5	3.70		12.69	2.43
1923-----		38.1	17.0	3.90		13.25	2.68
1924-----		38.6	17.38	4.20		14.00	2.50
1925-----		38.9	17.39	4.26		14.87	2.80
					Con-	Evap-	
					densed	orated	
					<i>Pounds</i>	<i>Pounds</i>	
1926-----		39.3	17.76	4.36	2.75	11.56	2.77
1927-----		39.6	17.49	4.14	2.60	11.59	2.85
1928-----		39.8	17.12	4.11	2.56	12.50	2.90
1929-----	94.2	40.8	17.29	4.62	2.75	13.83	3.00
1930-----	94.9	40.6	17.30	4.71	2.66	13.95	2.82
1931-----	96.6	40.0	18.00	4.49	2.29	13.70	2.42

<sup>1</sup> Based on revised production data and estimates of utilization issued Nov. 21, 1932. (Milk and butterfat production and utilization in the United States in 1929, 1930, and 1931.) The production estimates differ from some previously published in that they do not include all milk secreted by the cows, but include such milk as farmers ordinarily consider as produced. They exclude milk sucked by calves and milk spilled or lost up to the time it is measured, skimmed, or delivered.

<sup>2</sup> Milk and the milk equivalent of cream consumed per capita by that part of the population not on rural farms. These estimates include some milk and cream used in such products as ice cream and supercede estimates previously issued.

<sup>3</sup> Includes both farm and factory butter. These estimates include some butter used in other products such as ice cream.

<sup>4</sup> Includes all kinds of cheese except cottage, pot, and bakers.

<sup>5</sup> Includes some condensed and evaporated milk used in other products, also includes both whole and skim milk product.

<sup>6</sup> Includes both factory and home made.

<sup>7</sup> Includes cottage cheese.

<sup>8</sup> For the year 1910.



TABLE 54.—*Milk and cream: <sup>1</sup> Receipts at New York, Philadelphia, and Boston*

	Milk			Cream		
	New York <sup>2</sup>	Philadelphia	Boston	New York <sup>2</sup>	Philadelphia	Boston
1930	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>
Jan.....	3, 071, 499	614, 480	504, 781	129, 899	24, 322	41, 905
Feb.....	2, 802, 465	557, 026	465, 098	114, 251	20, 668	39, 496
Mar.....	3, 057, 491	628, 452	524, 551	149, 335	31, 141	45, 938
Apr.....	2, 952, 755	607, 710	511, 431	149, 380	30, 501	49, 349
May.....	3, 247, 248	651, 750	540, 527	224, 696	51, 503	66, 990
June.....	3, 109, 460	617, 036	539, 297	210, 530	41, 449	63, 766
July.....	3, 123, 323	616, 713	535, 596	176, 705	40, 129	54, 978
Aug.....	2, 928, 496	596, 870	511, 257	149, 312	37, 874	49, 973
Sept.....	3, 126, 588	620, 339	523, 748	139, 941	36, 492	48, 175
Oct.....	3, 105, 995	644, 380	524, 393	142, 442	33, 705	44, 729
Nov.....	2, 965, 298	618, 219	500, 703	128, 531	22, 888	36, 029
Dec.....	2, 979, 178	622, 342	495, 560	131, 984	22, 357	41, 118
Total.....	36, 469, 796	7, 395, 317	6, 176, 942	1, 847, 006	393, 029	582, 446
1931						
Jan.....	2, 942, 178	617, 528	499, 472	132, 958	18, 629	41, 580
Feb.....	2, 691, 765	560, 781	467, 716	133, 538	19, 222	37, 884
Mar.....	2, 965, 732	630, 252	539, 603	156, 906	27, 861	47, 074
Apr.....	2, 864, 652	607, 573	524, 796	165, 095	33, 795	55, 458
May.....	3, 059, 034	629, 662	559, 507	205, 843	35, 233	62, 619
June.....	3, 090, 485	605, 359	554, 088	206, 029	37, 144	61, 642
July.....	3, 231, 421	599, 794	572, 825	173, 167	39, 031	55, 344
Aug.....	3, 034, 113	584, 083	560, 031	161, 858	36, 204	56, 739
Sept.....	3, 012, 388	604, 647	528, 991	153, 823	22, 602	46, 937
Oct.....	2, 984, 088	620, 401	544, 202	153, 180	23, 321	44, 633
Nov.....	2, 805, 790	590, 572	525, 865	133, 721	19, 758	36, 644
Dec.....	2, 853, 331	593, 026	538, 916	137, 277	21, 075	41, 556
Total.....	35, 534, 977	7, 243, 678	6, 416, 012	1, 913, 395	333, 875	588, 110
1932						
Jan.....	2, 895, 067	588, 925	545, 727	151, 588	23, 013	40, 012
Feb.....	2, 721, 487	559, 339	513, 822	145, 187	23, 104	39, 223
Mar.....	2, 927, 029	600, 044	552, 568	154, 171	21, 559	42, 818
Apr.....	2, 791, 112	566, 467	529, 607	154, 272	22, 557	44, 807
May.....	2, 953, 311	611, 145	551, 221	200, 599	33, 055	55, 335
June.....	2, 893, 595	578, 853	525, 995	202, 581	34, 175	57, 903
July.....	2, 971, 406	569, 758	534, 740	170, 323	24, 163	50, 398
Aug.....	2, 879, 213	541, 754	530, 477	152, 960	21, 885	52, 917
Sept.....	2, 864, 074	538, 080	508, 390	141, 122	23, 389	44, 891
Oct.....	2, 786, 863	562, 630	520, 106	133, 662	16, 428	39, 069
Nov.....	2, 630, 189	554, 880	493, 705	115, 345	15, 984	36, 678
Dec.....	2, 663, 882	566, 217	487, 961	117, 221	13, 968	37, 954
Total.....	33, 977, 228	6, 838, 092	6, 294, 319	1, 839, 031	273, 280	542, 005

Bureau of Agricultural Economics.

Percent of fat in cream ranges from 18 to 45.

<sup>1</sup> 40-quart can.<sup>2</sup> Metropolitan area.



TABLE 55.—*Milk and cream:*<sup>1</sup> *Receipts at New York, 1927 to 1932*

Year	Milk			Cream		
	Rail	Truck	Total	Rail	Truck	Total
	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>
1927-----			34,454,116			1,571,375
1928-----			34,554,791			1,702,659
1929-----			34,714,131			1,826,916
1930 <sup>2</sup> -----			36,469,796			1,847,006
1931-----	32,164,848	3,370,129	35,534,977	1,898,602	14,793	1,913,395
1932-----	28,452,493	5,524,735	33,977,228	1,762,871	16,160	1,839,031

Bureau of Agricultural Economics.

<sup>1</sup> 40-quart cans.

<sup>2</sup> Includes truck receipts for part of year.

TABLE 56.—*Milk and cream:*<sup>1</sup> *Receipts at Philadelphia, 1929 to 1932*

Year	Milk			Cream		
	Rail	Truck	Total	Rail	Truck	Total
	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>
1929-----	3,357,097	4,076,037	7,433,134			394,856
1930-----	3,274,572	4,120,745	7,395,317			393,029
1931-----	3,047,111	4,196,567	7,243,678			333,875
1932-----	2,620,955	4,217,137	6,838,092			273,280

Bureau of Agricultural Economics.

<sup>1</sup> 40-quart cans.

TABLE 57.—*Milk and cream:*<sup>1</sup> *Receipts at Boston, 1930 to 1932*

Year	Milk			Cream		
	Rail	Truck	Total	Rail	Truck	Total
	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>
1930-----	5,725,287	451,655	6,176,942	-----	-----	582,446
1931-----	5,916,642	499,370	6,416,012	-----	-----	588,110
1932-----	5,749,933	544,386	6,294,319	-----	-----	542,005

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<sup>1</sup> 40-quart cans.TABLE 58.—*Annual receipts of market milk and total milk equivalent of milk, cream, and condensed milk in New York City, 1893 to 1932*<sup>1</sup>

Year	Milk only	Total milk equivalent	Year	Milk only	Total milk equivalent
	<i>1,000 gallons</i>	<i>1,000 gallons</i>		<i>1,000 gallons</i>	<i>1,000 gallons</i>
1893-----	72,935	85,905	1913-----	179,478	226,675
1894-----	74,793	88,671	1914-----	181,577	229,785
1895-----	77,291	92,189	1915-----	190,780	240,147
1896-----	79,969	94,904	1916-----	193,522	244,597
1897-----	83,305	98,182	1917-----	198,289	246,601
1898-----	88,298	106,165	1918-----	211,548	260,547
1899-----	90,764	-----	1919-----	225,022	279,686
1900-----	93,889	115,027	1920-----	243,951	307,431
1901-----	97,578	120,595	1921-----	257,306	326,316
1902-----	101,974	126,659	1922-----	267,977	349,836
1903-----	108,755	136,248	1923-----	285,590	368,927
1904-----	116,402	146,313	1924-----	298,965	385,547
1905-----	123,492	158,996	1925-----	310,837	397,099
1906-----	137,626	175,022	1926-----	318,589	414,367
1907-----	143,272	179,968	1927-----	332,629	<sup>2</sup> 511,853
1908-----	145,118	179,388	1928-----	340,043	527,364
1909-----	150,261	187,141	1929-----	349,723	<sup>2</sup> 546,989
1910-----	158,203	199,048	1930-----	348,642	546,359
1911-----	167,572	212,758	1931-----	360,089	557,942
1912-----	173,232	218,229	1932-----	349,493	537,045

<sup>1</sup> Milk Reporter, 1893 to 1920. American Creamery and Poultry Produce Review, 1927 to 1932. The whole milk was reported separately but the cream and unsweetened condensed milk were not reported separately for the years 1893 to 1898, hence not shown separately. The column showing milk equivalent includes all three items, and some cottage cheese.

<sup>2</sup> Conversion factors for cream and condensed milk changed from 1 to 5 for all, to 1 to 10 for cream, and 1 to 3 for condensed milk.

<sup>3</sup> Beginning with 1929 figures include estimates for truck receipts.

TABLE 59.—*Milk and cream: Receipts at New York*

Year	Milk	Cream	Total milk and cream
	<i>Gallons</i>	<i>Gallons</i>	<i>Gallons</i>
1927.....	344, 541, 160	15, 713, 750	360, 254, 910
1928.....	345, 547, 910	17, 026, 590	362, 574, 500
1929.....	347, 141, 310	18, 269, 160	365, 410, 470
1930.....	364, 697, 960	18, 470, 060	383, 168, 020
1931.....	355, 349, 770	19, 133, 950	374, 483, 720
1932.....	339, 772, 280	18, 390, 310	358, 162, 590

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TABLE 60.—*Cream:*<sup>1</sup> *Receipts at Chicago*

Month	1930	1931	1932
	<i>Cans</i>	<i>Cans</i>	<i>Cans</i>
January.....		72, 845	64, 336
February.....		66, 248	54, 773
March.....		78, 489	59, 627
April.....		80, 132	61, 112
May.....	91, 529	95, 601	70, 091
June.....	89, 977	92, 610	63, 905
July.....	87, 153	76, 320	62, 123
August.....	81, 280	69, 442	56, 767
September.....	74, 890	66, 213	48, 680
October.....	75, 069	61, 784	44, 154
November.....	71, 788	63, 263	41, 720
December.....	74, 031	74, 049	43, 619
Total.....		896, 996	670, 907

Percent of fat in cream ranged from 18 to 45.

Bureau of Agricultural Economics.

<sup>1</sup> 40-quart cans.

TABLE 61.—*Milk and cream:*<sup>1</sup> *Estimated consumption in cities and villages,*<sup>2</sup> *by geographic divisions,*<sup>3</sup> *1921, and 1923-31.*

TOTAL CONSUMPTION, IN THOUSANDS OF GALLONS

Year	United States	North Atlantic States	North Central States	South Atlantic States	South Central States	West-ern States
1921-----	2, 978, 645	1, 203, 735	997, 003	221, 107	278, 245	278, 555
1922 <sup>4</sup> -----						
1923-----	3, 123, 950	1, 236, 872	1, 051, 144	237, 020	296, 348	302, 566
1924-----	3, 253, 660	1, 274, 004	1, 081, 407	256, 800	319, 556	321, 893
1925-----	3, 344, 198	1, 299, 062	1, 123, 222	254, 837	324, 351	342, 726
1926-----	3, 437, 092	1, 344, 516	1, 148, 563	258, 420	330, 894	354, 699
1927-----	3, 519, 973	1, 374, 998	1, 185, 317	264, 142	338, 170	357, 346
1928-----	3, 611, 993	1, 411, 721	1, 193, 153	271, 303	372, 071	363, 745
1929-----	3, 738, 549	1, 470, 236	1, 222, 724	294, 910	372, 932	377, 747
1930-----	3, 782, 042	1, 470, 986	1, 237, 121	302, 137	376, 617	395, 181
1931-----	3, 739, 645	1, 466, 337	1, 224, 587	296, 087	360, 376	392, 258

PER CAPITA CONSUMPTION, IN GALLONS

1921-----	38. 1	43. 0	39. 9	27. 1	28. 9	38. 3
1922 <sup>4</sup> -----						
1923-----	38. 0	42. 8	40. 3	27. 0	28. 1	38. 3
1924-----	38. 6	43. 3	40. 7	28. 3	29. 1	39. 5
1925-----	38. 9	43. 5	41. 5	27. 4	28. 8	40. 3
1926-----	39. 3	44. 3	41. 8	27. 4	29. 2	40. 6
1927-----	39. 7	44. 5	42. 4	27. 6	29. 6	39. 7
1928-----	39. 8	45. 0	42. 1	28. 0	30. 4	39. 4
1929-----	40. 8	46. 1	42. 4	30. 1	32. 3	39. 9
1930-----	40. 7	45. 4	42. 3	30. 3	32. 1	40. 6
1931-----	40. 0	45. 0	41. 8	29. 7	30. 9	39. 8

<sup>1</sup> Cream is converted to its milk equivalent.

<sup>2</sup> Includes urban farm population and rural non-farm population.

<sup>3</sup> The States comprising these divisions are:

North Atlantic: Maine, New Hampshire, Vermont, Massachusetts, Connecticut, Rhode Island, New York, New Jersey, and Pennsylvania.

North Central: Ohio, Indiana, Illinois, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas.

South Atlantic: Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

South Central: Kentucky, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, Oklahoma, and Texas.

Western: Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, and California.

<sup>4</sup>Not available.

TABLE 61.—*Milk and cream: Estimated consumption in cities and villages, by geographic divisions, 1921, and 1923-31—Continued.*

DAILY CONSUMPTION, PER CAPITA, IN PINTS

1921-----	0.83	0.94	0.88	0.59	0.63	0.84
1922 <sup>4</sup> -----	-----	-----	-----	-----	-----	-----
1923-----	.83	.94	.88	.59	.62	.84
1924-----	.85	.95	.89	.62	.64	.87
1925-----	.85	.95	.91	.60	.63	.88
1926-----	.86	.97	.92	.60	.64	.89
1927-----	.87	.98	.93	.60	.65	.87
1928-----	.87	.99	.92	.61	.67	.86
1929-----	.90	1.01	.93	.66	.71	.87
1930-----	.89	1.00	.93	.66	.70	.89
1931-----	.88	.99	.92	.65	.68	.87

<sup>4</sup> Not available.



TABLE 62.—Milk prices: Milk dealers' average buying prices in United States per hundredweight for standard or grade B milk testing 3.5 percent butterfat which is used for city distribution as milk and cream. (F.o.b. local shipping point or country plant)

Month	1922	1923	1924	1925	1926	1927
	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>
January.....	2.50	2.75	2.86	2.68	2.87	2.83
February.....	2.37	2.67	2.74	2.73	2.79	2.78
March.....	2.23	2.66	2.69	2.65	2.78	2.74
April.....	2.17	2.63	2.63	2.62	2.77	2.71
May.....	2.03	2.55	2.56	2.58	2.64	2.67
June.....	2.08	2.53	2.42	2.50	2.62	2.62
July.....	2.16	2.56	2.47	2.55	2.65	2.63
August.....	2.28	2.67	2.51	2.65	2.68	2.67
September.....	2.28	2.76	2.61	2.66	2.71	2.68
October.....	2.34	2.79	2.64	2.79	2.76	2.75
November.....	2.51	2.89	2.71	2.78	2.79	2.78
December.....	2.67	2.82	2.67	2.80	2.84	2.81
Average.....	2.30	2.69	2.63	2.67	2.74	2.72

  

Month	1928	1929	1930	1931	1932	1933
	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>
January.....	2.87	2.87	2.81	2.46	1.95	1.55
February.....	2.83	2.86	2.77	2.38	1.88	1.50
March.....	2.79	2.83	2.74	2.33	1.80	1.46
April.....	2.74	2.79	2.69	2.25	1.77	1.47
May.....	2.65	2.77	2.63	2.14	1.71	1.45
June.....	2.65	2.69	2.57	2.16	1.69	1.49
July.....	2.66	2.76	2.60	2.13	1.62	1.57
August.....	2.73	2.77	2.60	2.20	1.64	1.67
September.....	2.76	2.82	2.73	2.14	1.64	1.72
October.....	2.82	2.85	2.69	2.14	1.68	-----
November.....	2.86	2.88	2.69	2.10	1.64	-----
December.....	2.88	2.86	2.59	2.00	1.57	-----
Average.....	2.77	2.81	2.68	2.20	1.72	-----

Compiled in the Division of Dairy and Poultry Products from reports secured through the cooperation of milk distributors, producers' associations, and municipal authorities.

The above table does not include prices for cities where milk is purchased on the basis of current butter prices, but does include "flat prices" where such apply, also "basic prices" where a surplus or pooling plan is in effect.

TABLE 63.—*Milk: Retail price per quart of fresh milk as reported on the 15th of the month, 1920 to 1933*

Month	1920	1921	1922	1923	1924	1925	1926
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	16.6	16.3	13.6	13.7	14.2	13.9	14.2
February.....	16.7	15.4	13.2	13.7	14.0	13.9	14.2
March.....	16.6	15.2	13.0	13.6	13.9	13.8	14.0
April.....	16.3	14.9	12.7	13.6	13.8	13.8	13.9
May.....	16.2	14.4	12.5	13.5	13.6	13.7	13.9
June.....	16.2	14.2	12.5	13.5	13.5	13.7	13.8
July.....	16.7	14.0	12.8	13.6	13.5	13.8	13.8
August.....	17.0	14.3	13.0	13.7	13.7	13.9	13.9
September.....	17.2	14.1	13.1	14.0	13.9	14.2	14.0
October.....	17.3	14.2	13.3	14.1	13.9	14.3	14.0
November.....	17.3	14.3	13.4	14.3	13.8	14.3	14.1
December.....	16.8	14.1	13.7	14.3	13.8	14.3	14.2
Average.....	16.7	14.6	13.1	13.8	13.8	14.0	14.0

  

Month	1927	1928	1929	1930	1931	1932	1933
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	14.1	14.3	14.3	14.2	13.3	11.5	10.4
February.....	14.1	14.3	14.3	14.1	13.0	11.4	10.3
March.....	14.1	14.2	14.3	14.0	12.9	11.3	10.1
April.....	14.0	14.1	14.2	14.0	12.6	11.0	10.1
May.....	13.9	14.1	14.2	14.0	12.3	10.8	10.0
June.....	13.9	14.0	14.2	14.0	12.0	10.8	10.2
July.....	14.0	14.1	14.3	14.0	12.1	10.7	10.4
August.....	14.1	14.1	14.3	14.0	12.1	10.5	10.9
September.....	14.1	14.2	14.3	14.0	12.1	10.6	-----
October.....	14.2	14.2	14.4	14.0	12.0	10.7	-----
November.....	14.2	14.3	14.4	14.0	12.0	10.6	-----
December.....	14.3	14.3	14.4	13.5	11.6	10.4	-----
Average.....	14.1	14.2	14.3	14.0	12.3	10.9	-----

Bureau of Labor Statistics, U.S. Dept. of Labor.

TABLE 64.—*Milk, Standard or Grade B: Average retail price per quart, delivered to family trade in 25 cities*

Month	1927	1928	1929	1930	1931	1932	1933
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	13.48	13.50	13.58	13.48	12.64	10.99	9.65
February.....	13.50	13.52	13.58	13.30	12.36	10.90	9.54
March.....	13.52	13.36	13.54	13.26	12.30	10.58	9.39
April.....	13.40	13.32	13.46	13.26	12.00	10.38	9.40
May.....	13.32	13.30	13.46	13.16	11.90	10.05	9.36
June.....	13.22	13.32	13.46	13.10	11.74	10.08	9.66
July.....	13.26	13.30	13.44	13.14	11.62	9.92	9.96
August.....	13.36	13.46	13.52	13.21	11.70	9.86	10.40
September.....	13.42	13.56	13.54	13.24	11.59	9.96	10.56
October.....	13.52	13.50	13.64	13.20	11.51	10.02	-----
November.....	13.60	13.58	13.56	13.10	11.46	9.92	-----
December.....	13.60	13.55	13.54	12.94	11.06	9.81	-----
Average.....	13.43	13.44	13.53	13.20	11.82	10.21	-----

Bureau of Agricultural Economics.

Monthly Fluid Milk Report.

Cities as follows: Boston, Mass.; New Haven, Conn.; New York, N.Y.; Philadelphia, Pa.; Baltimore, Md.; Washington, D.C.; Jacksonville, Fla.; Pittsburgh, Pa.; Cleveland, Ohio; Detroit, Mich.; Chicago, Ill.; Milwaukee, Wis.; Minneapolis, Minn.; Indianapolis, Ind.; Kansas City, Mo.; Omaha, Nebr.; Louisville, Ky.; New Orleans, La.; Dallas, Tex.; Denver, Colo.; Salt Lake City, Utah; Seattle, Wash.; Portland, Oreg.; San Francisco, Calif.; Los Angeles, Calif.

TABLE 65.—*Milk and cream: Total imports*

Calendar year	Milk	Cream	Calendar year	Milk	Cream
	<i>Gallons</i>	<i>Gallons</i>		<i>Gallons</i>	<i>Gallons</i>
1924.....	5,192,344	4,197,449	1929.....	4,245,833	2,969,889
1925.....	7,422,133	5,171,788	1930.....	1,837,483	1,585,456
1926.....	7,411,606	5,374,126	1931.....	611,516	79,435
1927.....	4,592,539	4,843,138	1932.....	105,640	118,419
1928.....	5,632,231	3,620,932			

Foreign and Domestic Commerce.

TABLE 66.—*Butter: Total production of farm and factory butter*

Year	Creamery butter	Whey butter	Farm butter	Total butter
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1849 <sup>1</sup>	-----	-----	313,345,306	313,345,306
1859 <sup>1</sup>	-----	-----	459,681,372	459,681,372
1869 <sup>1</sup>	-----	-----	514,092,683	514,092,683
1879 <sup>1</sup>	29,421,784	-----	777,250,287	806,672,071
1889 <sup>1</sup>	181,284,916	-----	1,024,223,468	1,205,508,384
1899 <sup>1</sup>	420,954,016	-----	1,071,626,056	1,492,580,072
1904 <sup>1</sup>	533,449,261	-----	-----	-----
1909 <sup>1</sup>	627,145,865	-----	994,650,610	1,621,796,475
1914 <sup>1</sup>	786,003,489	-----	<sup>2</sup> 851,158,000	1,637,161,489
1916	760,030,573	-----	-----	-----
1917	759,511,000	-----	908,000,000	1,667,511,000
1918	818,175,123	4,543,793	710,000,000	1,532,718,916
1919	868,124,806	5,782,326	<sup>1</sup> 707,666,492	1,581,573,624
1920	863,577,000	3,155,000	694,803,000	1,561,535,000
1921	1,054,938,000	2,176,000	681,803,000	1,738,917,000
1922	1,153,515,000	2,291,000	668,803,000	1,824,609,000
1923	1,242,214,000	1,904,000	655,803,000	1,899,921,000
1924	1,356,080,000	1,665,000	<sup>1</sup> 642,803,000	2,000,548,000
1925	1,361,526,000	1,774,000	629,803,000	1,993,103,000
1926	1,451,766,000	2,872,000	607,877,000	2,062,515,000
1927	1,496,495,000	1,217,000	585,952,000	2,083,664,000
1928	1,487,049,000	1,097,000	564,026,000	2,052,172,000
1929	1,597,027,000	1,221,000	<sup>1</sup> 542,064,000	2,140,312,000
1930	1,595,231,000	2,615,000	518,300,000	2,116,146,000
1931 <sup>3</sup>	1,667,452,000	-----	529,320,000	2,196,772,000
1932 <sup>3</sup>	1,694,132,000	-----	566,200,000	2,260,332,000

Bureau of the Census and Bureau of Agricultural Economics.

<sup>1</sup> Census figures; others, Bureau of Agricultural Economics.<sup>2</sup> Farm butter is estimated for years between census years.<sup>3</sup> Includes whey butter.

The creamery-butter production according to census reports was: 1919, 938,505,382 pounds; 1921, 1,118,203,696 pounds; 1923, 1,382,608,304 pounds; 1924, 1,445,204,000 pounds; 1925, 1,453,483,350 pounds; 1927, 1,562,696,959 pounds; 1929, 1,615,688,347 pounds; 1931, 1,648,911,431 pounds; preliminary.



TABLE 67.—*Butter: Production of creamery butter, by months*

Month	1922	1923	1924	1925	1926
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	73,505	83,688	87,468	87,121	97,893
February.....	67,405	74,134	86,731	80,218	94,222
March.....	79,532	88,311	95,760	92,302	112,432
April.....	86,623	100,547	106,012	107,023	121,049
May.....	132,351	134,350	139,954	145,478	155,912
June.....	150,034	158,371	161,992	164,253	178,276
July.....	135,231	138,278	164,443	158,920	159,554
August.....	114,160	120,802	137,836	136,738	133,294
September.....	92,359	102,273	115,102	108,325	116,732
October.....	83,070	89,297	100,536	104,520	103,068
November.....	68,628	74,909	77,282	85,492	88,481
December.....	70,617	77,254	82,964	91,136	90,853
Total.....	1,153,515	1,242,214	1,356,080	1,361,526	1,451,766

  

Month	1927	1928	1929	1930	<sup>1</sup> 1931
January.....	97,965	101,045	103,519	108,382	118,354
February.....	95,522	99,394	99,963	102,252	109,596
March.....	111,451	111,777	114,404	115,679	126,792
April.....	126,415	118,849	133,684	133,271	145,367
May.....	168,808	156,294	174,341	184,385	183,783
June.....	188,792	181,037	192,869	189,788	194,256
July.....	170,484	167,601	185,317	167,559	161,296
August.....	146,808	145,430	152,192	137,420	140,395
September.....	113,546	119,499	123,582	122,580	120,936
October.....	102,399	105,894	118,116	120,247	126,569
November.....	86,058	87,745	97,186	101,974	117,035
December.....	88,247	92,484	101,854	111,694	123,073
Total.....	1,496,495	1,487,049	1,597,027	1,595,231	1,667,452

<sup>1</sup> Includes whey butter.



TABLE 68.—*Butter: Quantity of creamery butter made, by States, 1927-31*

State	1927	1928	1929	1930	1931 <sup>1</sup>
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Alabama.....	1, 237	991	2, 041	2, 160	1, 950
Arizona.....	2, 150	2, 246	1, 922	1, 994	2, 547
Arkansas.....	1, 710	1, 115	2, 778	2, 039	3, 066
California.....	75, 227	72, 050	72, 635	74, 366	73, 350
Colorado.....	20, 871	21, 614	21, 924	22, 643	21, 993
Connecticut....	550	401	371	364	382
Delaware.....	50	47	42	41	35
Florida.....	129	153	93	107	257
Georgia.....	3, 044	2, 224	2, 124	2, 397	2, 102
Idaho.....	20, 918	20, 832	24, 017	26, 353	28, 644
Illinois.....	59, 875	63, 864	69, 272	65, 281	67, 282
Indiana.....	62, 436	60, 409	62, 701	63, 249	67, 991
Iowa.....	177, 224	196, 068	214, 562	216, 058	219, 428
Kansas.....	50, 667	55, 756	58, 967	56, 919	68, 997
Kentucky.....	19, 364	19, 822	20, 050	17, 645	18, 288
Lousiana.....	324	461	882	705	1, 452
Maine.....	517	348	256	202	94
Maryland.....	229	223	172	95	80
Massachusetts..	2, 514	2, 340	1, 496	1, 869	1, 394
Michigan.....	69, 368	65, 803	63, 426	65, 926	75, 601
Minnesota.....	274, 860	271, 345	282, 884	282, 540	284, 270
Mississippi.....	7, 920	7, 241	7, 429	6, 048	7, 337
Missouri.....	62, 549	69, 201	82, 505	77, 939	79, 435
Montana.....	16, 759	16, 364	16, 684	16, 792	14, 864
Nebraska.....	95, 004	96, 472	97, 110	85, 623	86, 084
Nevada.....	2, 187	2, 211	2, 231	1, 993	1, 974
New Hamp- shire.....	72	44	28	22	8
New Jersey.....	101	15	14	41	63
New Mexico....	447	421	535	951	1, 080
New York.....	12, 864	11, 557	9, 104	9, 617	10, 024
North Carolina	2, 032	1, 849	2, 189	2, 050	2, 081
North Dakota..	32, 462	30, 889	41, 889	41, 032	50, 412
Ohio.....	79, 603	75, 681	80, 583	78, 972	81, 515
Oklahoma.....	23, 617	24, 277	25, 770	24, 654	28, 093
Oregon.....	22, 831	20, 963	22, 413	26, 641	29, 062
Pennsylvania..	11, 709	11, 349	11, 113	10, 766	11, 090
Rhode Island..	100	66	48	28	24
South Carolina	432	392	496	453	594
South Dakota..	32, 843	34, 853	40, 361	40, 406	42, 080
Tennessee.....	17, 190	15, 333	17, 929	15, 745	14, 997
Texas.....	24, 276	20, 599	26, 511	25, 083	30, 291
Utah.....	9, 909	9, 549	11, 068	11, 969	11, 963
Vermont.....	6, 732	5, 469	3, 776	3, 581	3, 402
Virginia.....	5, 881	6, 051	5, 882	5, 255	5, 740
Washington....	29, 870	29, 452	30, 228	32, 256	37, 293
West Virginia..	287	325	381	462	362
Wisconsin.....	153, 545	137, 483	155, 815	171, 644	176, 091
Wyoming.....	2, 009	1, 831	2, 320	2, 255	2, 290
Total.....	1, 496, 495	1, 487, 049	1, 597, 027	1, 595, 231	1, 667, 452

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<sup>1</sup> Includes whey butter.

TABLE 69.—*Creamery butter: Seasonal variation in production and receipts at four principal markets, 5-year average, 1925 to 1929*

Month	Production	Receipts <sup>1</sup>	Month	Production	Receipts <sup>1</sup>
	<i>Percent</i>	<i>Percent</i>		<i>Percent</i>	<i>Percent</i>
January.....	6.75	6.95	August.....	9.81	9.43
February.....	6.42	6.75	September.....	8.05	7.57
March.....	7.32	7.75	October.....	7.09	6.98
April.....	8.12	7.88	November.....	5.86	6.05
May.....	10.88	10.12	December.....	6.11	6.19
June.....	12.25	12.63			
July.....	11.34	11.70	Total.....	100.00	100.00

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<sup>1</sup> New York, Chicago, Philadelphia, and Boston.

TABLE 70.—*Butter: Net weight of receipts at New York, Chicago, Philadelphia, Boston, and San Francisco markets*

Year	New York	Chicago	Philadel- phia	Boston	San Fran- cisco
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1919.....	184,805	153,577	42,324	60,531	18,799
1920.....	136,076	146,109	40,202	60,340	20,028
1921.....	176,038	160,035	48,580	61,618	21,879
1922.....	204,333	176,162	53,519	70,672	22,029
1923.....	207,031	186,737	56,705	73,224	21,684
1924.....	211,274	213,349	63,384	77,022	22,449
1925.....	207,317	210,228	59,516	72,989	24,439
1926.....	214,658	195,545	65,536	73,734	23,464
1927.....	221,944	194,434	67,576	74,935	22,702
1928.....	215,473	192,935	70,712	78,333	20,474
1929.....	229,331	205,490	73,404	73,058	21,382
1930.....	231,348	196,256	70,359	65,205	21,028
1931.....	236,654	204,703	76,091	69,476	22,688
1932.....	243,818	190,215	78,531	73,784	24,437

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TABLE 71.—*Butter: Net weight, of receipts at four markets combined by months. (New York, Chicago, Philadelphia, and Boston)*

Month	1918	1919	1920	1921	1922
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	24,798	30,257	23,427	24,079	33,144
February.....	29,719	27,584	22,604	22,737	30,964
March.....	27,596	28,585	27,393	27,422	35,638
April.....	35,131	29,343	20,552	30,374	32,609
May.....	55,708	52,650	30,873	47,374	54,314
June.....	55,878	68,248	55,637	62,945	76,031
July.....	39,511	55,152	57,389	48,860	63,087
August.....	32,485	41,565	42,925	49,620	48,996
September.....	35,724	34,876	34,579	39,805	36,748
October.....	26,004	28,300	26,155	35,391	32,394
November.....	26,521	24,306	20,958	28,284	29,947
December.....		20,370	20,236	29,379	30,813
Total.....	389,075	441,236	382,728	446,270	504,685

Month	1923	1924	1925	1926	1927
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	38,558	36,096	35,871	37,871	36,105
February.....	32,315	38,789	33,824	38,050	36,942
March.....	39,616	42,445	39,013	44,082	43,408
April.....	52,155	41,358	39,771	43,253	46,035
May.....	73,520	53,964	54,365	52,257	61,224
June.....	61,470	75,194	71,755	73,449	73,045
July.....	45,607	75,537	67,566	66,179	64,801
August.....	40,029	55,341	55,064	48,182	55,212
September.....	36,652	45,808	43,276	42,753	40,622
October.....	32,118	40,414	41,552	36,049	36,654
November.....	33,237	28,713	33,653	32,762	32,300
December.....		31,369	34,350	34,584	32,543
Total.....	523,696	565,028	550,051	459,471	558,889

Month	1928	1929	1930	1931	1932
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	40,945	43,255	42,156	44,343	47,183
February.....	39,077	39,933	39,691	42,047	47,352
March.....	44,173	44,643	45,580	46,913	48,108
April.....	52,633	46,558	48,414	51,079	47,370
May.....	67,448	60,592	60,829	59,321	62,050
June.....	63,032	67,059	68,175	71,596	69,029
July.....	53,360	65,859	60,032	56,393	55,099
August.....	43,321	58,123	43,142	43,011	50,290
September.....	40,181	43,147	39,628	41,282	41,458
October.....	35,027	41,714	37,686	42,376	38,005
November.....	35,123	36,893	35,561	43,322	39,300
December.....		38,507	42,276	45,241	41,104
Total.....	557,456	586,283	563,170	586,924	586,348



TABLE 72.—*Creamery butter in storage on the first of each month in the United States*

Month	1915	1916	1917	1918	1919	1920
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....		48,977	46,134	50,726	43,910	53,737
February.....		31,139	30,474	26,618	36,777	38,359
March.....		15,033	16,952	18,808	24,191	22,568
April.....		3,346	6,805	14,629	11,909	12,555
May.....		1,082	3,607	9,536	9,659	7,554
June.....		7,017	9,953	12,698	29,435	12,872
July.....		53,863	49,982	49,140	90,158	52,526
August.....	68,578	102,537	88,992	88,305	123,546	101,455
September.....	101,662	105,836	108,179	99,334	131,388	115,558
October.....	99,450	100,522	109,154	87,883	121,816	113,385
November.....	92,719	85,260	100,115	80,874	100,474	101,778
December.....	71,849	67,292	79,928	65,111	73,654	79,750

Month	1921	1922	1923	1924	1925	1926	1927
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	58,682	48,412	26,819	30,299	65,694	52,785	34,347
February.....	41,486	35,047	16,122	15,246	45,748	39,381	17,952
March.....	27,103	22,582	8,910	9,847	28,789	26,313	7,952
April.....	14,732	9,113	4,824	7,842	10,875	17,392	3,044
May.....	7,712	3,830	3,248	8,913	3,739	17,527	3,436
June.....	21,682	13,202	10,112	22,348	13,036	30,561	25,404
July.....	61,991	67,410	62,768	74,184	63,687	86,897	89,996
August.....	82,838	103,151	101,774	134,118	109,075	131,152	145,147
September.....	92,292	112,039	102,731	156,440	128,403	138,151	163,701
October.....	90,116	96,680	96,117	153,494	114,172	125,342	147,396
November.....	77,983	73,857	76,472	135,018	94,916	100,871	118,679
December.....	65,129	47,773	51,508	100,832	74,754	64,381	83,224

Month	1928	1929	1930	1931	1932	1933
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	46,289	43,783	81,935	63,401	26,643	22,043
February.....	28,273	24,747	60,230	46,792	22,506	17,833
March.....	14,404	11,910	46,530	30,672	15,243	11,580
April.....	5,716	5,532	30,556	18,010	9,094	9,255
May.....	5,109	5,883	22,957	17,195	10,394	9,398
June.....	15,952	28,369	50,378	35,155	29,160	35,159
July.....	69,750	91,962	106,522	89,172	84,269	106,378
August.....	120,437	151,621	145,061	115,121	110,247	150,934
September.....	136,175	168,952	143,089	104,678	107,259	-----
October.....	128,071	158,541	131,489	80,152	89,490	-----
November.....	105,811	138,405	109,646	56,229	66,828	-----
December.....	70,985	111,650	88,012	42,242	37,207	-----

NOTE.—Cold storage in connection with butter in this table means the holding of butter at a temperature of 45° F. or less for a period of at least 30 days.

TABLE 73.—*Apparent consumption<sup>1</sup> of butter, by months,<sup>2</sup> 1927–32*

Month	1927	1928	1929	1930	1931	1932
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	154, 151	158, 498	159, 173	164, 893	170, 580	166, 656
February.....	143, 924	149, 351	147, 535	149, 000	159, 654	168, 537
March.....	160, 874	161, 978	160, 231	169, 443	178, 087	180, 632
April.....	175, 437	165, 043	177, 391	183, 485	189, 020	186, 475
May.....	210, 450	206, 651	210, 960	213, 395	223, 379	229, 431
June.....	195, 828	196, 301	195, 613	197, 164	205, 085	204, 816
July.....	181, 839	180, 800	186, 988	187, 683	195, 278	201, 483
August.....	185, 625	184, 846	188, 029	190, 156	202, 667	207, 944
September.....	176, 887	172, 959	177, 458	175, 835	188, 011	190, 668
October.....	172, 600	168, 015	176, 508	178, 720	188, 496	184, 570
November.....	155, 839	155, 509	155, 570	153, 927	162, 081	172, 566
December.....	161, 169	154, 391	164, 666	167, 882	171, 090	170, 563
Total...	2, 074, 623	2, 054, 342	2, 100, 122	2, 131, 583	2, 233, 428	2, 264, 341

Bureau of Agricultural Economics.

<sup>1</sup> Not corrected for reexports.<sup>2</sup> Does not include whey butter prior to 1931.TABLE 74.—*Butter: Balance of trade of United States*

Year	General imports	Domes- tic ex- ports	Foreign exports	Total exports	Balance
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1918.....	1, 655	26, 194	-----	26, 194	<i>E</i> 24, 539
1919.....	9, 519	34, 556	21	34, 577	<i>E</i> 25, 058
1920.....	37, 454	17, 488	164	17, 651	<i>I</i> 19, 803
1921.....	18, 558	8, 015	979	8, 994	<i>I</i> 9, 564
1922.....	6, 957	10, 938	137	11, 075	<i>E</i> 4, 118
1923.....	23, 741	5, 846	1, 021	6, 866	<i>I</i> 16, 875
1924.....	19, 405	8, 257	1, 140	9, 397	<i>I</i> 10, 008
1925.....	7, 212	5, 343	282	5, 625	<i>I</i> 1, 587
1926.....	8, 029	5, 482	652	6, 135	<i>I</i> 1, 894
1927.....	8, 460	4, 343	165	4, 508	<i>I</i> 3, 952
1928.....	4, 659	3, 898	457	4, 355	<i>I</i> 304
1929.....	2, 773	3, 724	188	3, 912	<i>E</i> 1, 140
1930.....	2, 462	2, 954	15	2, 969	<i>E</i> 506
1931.....	1, 882	1, 984	23	2, 008	<i>E</i> 126
1932.....	1, 014	1, 605	1	1, 606	<i>E</i> 592

Compiled from reports from the Bureau of Foreign and Domestic Commerce.

*E* = Export balance.*I* = Import balance.



TABLE 75.—*Creamery butter: Average monthly wholesale price per pound of extras (92 score) or equivalent grade, on New York market*

Month	1914	1915	1916	1917	<sup>1</sup> 1918	1919	1920
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	32.6	33.5	32.6	40.1	52	62	65
February.....	29.3	32.3	33.8	43.5	50	52	66
March.....	27.7	29.7	36.9	41.6	44	62	67
April.....	25.4	30.7	36.0	44.2	42	64	71
May.....	26.1	28.8	31.0	40.2	42	58	61
June.....	27.2	28.2	29.8	39.1	44	52	57
July.....	27.9	27.0	28.9	39.0	45	53	57
August.....	30.4	25.9	31.2	41.3	46	55	55
September.....	31.4	26.6	33.9	44.3	56	59	59
October.....	31.6	28.6	35.4	44.6	59	68	60
November.....	34.7	31.1	39.4	45.5	63	71	63
December.....	33.9	35.1	39.8	49.4	69	72	55
Average.....	29.8	29.8	34.0	42.7	51	61	61

  

Month	1921	1922	1923	1924	1925	1926	1927
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	52.5	37.5	51.7	53.0	39.9	44.9	49.2
February.....	47.2	37.2	49.8	50.5	40.8	44.9	51.5
March.....	48.1	38.4	49.3	46.7	47.5	42.8	50.2
April.....	45.5	37.7	46.1	38.5	44.5	39.4	50.3
May.....	31.8	36.8	41.9	38.9	42.6	40.8	43.5
June.....	32.7	36.7	38.9	41.5	42.5	41.2	42.5
July.....	40.4	36.2	39.4	40.0	42.9	40.5	41.7
August.....	42.7	35.4	44.1	38.4	43.5	41.8	41.9
September.....	43.1	41.0	46.0	37.9	40.2	44.6	46.5
October.....	47.0	46.0	47.8	38.7	50.9	46.9	48.4
November.....	44.9	50.7	52.6	42.9	50.7	50.6	49.8
December.....	43.8	54.2	54.7	44.8	49.2	54.7	51.9
Average.....	43.3	40.7	46.9	42.6	45.3	44.4	47.3

  

Month	1928	1929	1930	1931	1932	1933
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	48.8	47.9	36.6	28.5	23.6	19.84
February.....	46.6	49.9	35.7	28.4	22.5	18.65
March.....	49.4	48.5	37.3	28.9	22.6	18.17
April.....	45.5	45.4	38.5	26.1	20.1	20.66
May.....	44.9	43.5	34.9	23.7	18.8	22.54
June.....	44.1	43.5	32.9	23.3	17.0	22.84
July.....	44.9	42.4	35.2	25.0	18.2	24.53
August.....	46.9	43.5	38.9	28.1	20.3	21.31
September.....	48.8	46.2	39.8	32.5	20.8	-----
October.....	47.8	45.7	40.0	33.8	20.7	-----
November.....	50.6	42.7	36.1	30.9	23.3	-----
December.....	50.5	41.1	32.2	30.6	24.1	-----
Average.....	47.4	45.0	36.5	28.3	21.0	-----

New York Produce Review and Bureau of Agricultural Economics.

<sup>1</sup> Price by Bureau of Agricultural Economics began in 1918 for 92-score butter.

TABLE 76.—*Butter: Average wholesale price per pound of 90-score centralizer butter on Chicago market*

Month	1921	1922	1923	1924	1925	1926	1927
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	46.7	32.0	48.6	51.1	38.7	42.9	47.4
February.....	46.2	34.6	48.4	49.4	40.0	43.0	50.0
March.....	44.0	36.8	48.4	45.4	47.4	41.3	49.2
April.....	43.3	36.2	44.8	37.4	43.0	38.4	47.8
May.....	28.9	34.1	40.7	37.1	40.8	39.6	40.8
June.....	31.6	35.8	38.9	39.1	42.4	39.4	40.0
July.....	38.2	34.1	38.1	37.8	42.5	38.8	39.4
August.....	37.6	33.3	42.4	36.2	42.1	40.0	39.0
September.....	37.2	36.7	44.5	35.4	45.6	41.4	42.1
October.....	39.6	40.2	45.4	34.8	47.1	42.5	43.5
November.....	38.0	45.8	48.7	40.0	45.4	44.1	45.0
December.....	37.4	49.8	49.6	40.5	45.0	48.6	47.2
Average.....	39.1	37.5	44.9	40.4	43.3	41.7	44.3

  

Month	1928	1929	1930	1931	1932	1933
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	45.6	46.3	35.0	27.2	22.8	18.8
February.....	45.2	48.8	35.3	26.9	21.6	17.9
March.....	48.1	47.3	37.2	28.6	22.0	17.7
April.....	43.9	44.1	37.3	24.5	19.0	20.0
May.....	43.0	42.0	33.7	22.5	17.1	21.8
June.....	42.6	42.3	31.8	22.5	16.3	22.3
July.....	43.6	41.2	34.5	24.0	17.6	23.8
August.....	45.0	42.1	38.0	26.9	19.6	20.2
September.....	46.3	43.8	37.8	29.0	19.8	-----
October.....	45.7	42.8	35.5	31.2	19.3	-----
November.....	47.5	39.5	31.6	28.2	21.4	-----
December.....	48.2	38.2	29.5	26.4	22.3	-----
Average.....	45.4	43.2	34.8	26.5	19.9	-----

Bureau of Agricultural Economics.

TABLE 77.—*Butter: Average wholesale price per pound on New York market for the grade "extra" or 92-score*

Year	Average price, market quotation	Year	Average price, market quotation	Year	Average price, market quotation
	<i>Cents</i>		<i>Cents</i>		<i>Cents</i>
1880.....	30.5	1898.....	19.5	1916.....	34.9
1881.....	32.0	1899.....	21.2	1917.....	42.7
1882.....	35.5	1900.....	22.2	1918.....	<sup>1</sup> 51.0
1883.....	31.0	1901.....	21.4	1919.....	61.0
1884.....	30.1	1902.....	24.7	1920.....	61.0
1885.....	26.8	1903.....	23.4	1921.....	43.3
1886.....	27.4	1904.....	21.7	1922.....	40.7
1887.....	26.9	1905.....	24.6	1923.....	46.9
1888.....	27.3	1906.....	24.6	1924.....	42.6
1889.....	24.3	1907.....	28.1	1925.....	45.3
1890.....	23.6	1908.....	27.6	1926.....	44.4
1891.....	26.2	1909.....	29.9	1927.....	47.3
1892.....	26.4	1910.....	31.1	1928.....	47.4
1893.....	27.2	1911.....	27.4	1929.....	45.0
1894.....	22.3	1912.....	31.6	1930.....	36.5
1895.....	21.3	1913.....	32.2	1931.....	28.3
1896.....	18.4	1914.....	29.8	1932.....	21.0
1897.....	19.1	1915.....	29.8		

New York Produce Review and Bureau of Agricultural Economics.

<sup>1</sup> Prices by Bureau of Agricultural Economics began in 1918.

TABLE 78.—*Butter: Average weekly wholesale price per pound for highest grade of butter on the San Francisco market*

Year	Average price per pound	Year	Average price per pound	Year	Average price per pound
	<i>Cents</i>		<i>Cents</i>		<i>Cents</i>
1899.....	22.9	1911.....	27.1	1923.....	45.1
1900.....	23.0	1912.....	31.2	1924.....	41.0
1901.....	21.1	1913.....	31.7	1925.....	46.5
1902.....	25.5	1914.....	27.0	1926.....	43.2
1903.....	27.9	1915.....	26.3	1927.....	45.3
1904.....	23.5	1916.....	28.9	1928.....	46.1
1905.....	24.7	1917.....	39.9	1929.....	45.7
1906.....	25.8	1918.....	52.2	1930.....	36.3
1907.....	30.5	1919.....	<sup>1</sup> 57.0	1931.....	28.1
1908.....	27.4	1920.....	60.2	1932.....	22.0
1909.....	30.6	1921.....	40.1		
1910.....	31.4	1922.....	39.8		

Pacific Dairy Review and Bureau of Agricultural Economics.

<sup>1</sup> Prices by Bureau of Agricultural Economics began in 1919 for 92-score

TABLE 79.—*Butter: Retail price per pound on the 15th day of the month, 1920-33*

Month	1920	1921	1922	1923	1924	1925	1926
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	74.2	61.0	45.3	59.1	61.3	52.3	55.4
February.....	72.6	56.5	45.9	57.7	60.2	50.6	54.5
March.....	75.2	57.6	45.8	57.6	58.0	55.5	53.6
April.....	76.1	55.6	45.2	57.3	50.1	53.3	50.9
May.....	71.6	42.5	44.9	52.1	46.1	51.9	50.0
June.....	67.2	40.2	44.9	50.0	48.6	52.7	50.3
July.....	67.9	46.6	45.7	49.1	49.5	53.2	50.1
August.....	67.0	51.2	44.2	51.8	48.3	54.1	50.6
September.....	68.6	50.6	46.7	55.0	48.5	55.8	52.5
October.....	68.9	53.2	50.8	56.2	47.9	59.4	54.3
November.....	69.4	53.1	54.6	58.9	48.9	59.7	55.7
December.....	62.0	52.1	60.2	60.3	52.5	58.6	59.3
Average.....	70.1	51.7	47.9	55.4	51.7	54.8	53.1

  

Month	1927	1928	1929	1930	1931	1932	1933
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	58.4	57.8	57.7	46.7	37.7	32.3	27.1
February.....	58.8	56.3	58.5	47.0	36.3	29.5	24.8
March.....	59.2	57.3	58.4	46.7	37.3	29.5	24.8
April.....	58.4	55.1	55.8	48.1	35.2	26.8	25.3
May.....	53.4	54.6	54.5	46.3	31.2	25.1	28.2
June.....	51.8	53.9	53.8	43.3	30.9	24.1	28.1
July.....	51.4	54.3	53.4	43.7	31.7	23.9	30.9
August.....	51.4	55.4	53.8	47.4	34.4	26.8	27.2
September.....	53.4	57.6	54.8	48.7	36.8	26.9	-----
October.....	55.7	57.5	55.7	47.8	39.9	26.7	-----
November.....	56.4	58.3	53.5	45.4	37.3	27.5	-----
December.....	58.4	59.3	51.6	42.5	36.5	29.8	-----
Average.....	55.6	56.5	55.1	46.1	35.4	27.4	-----

Bureau of Labor Statistics.



TABLE 80.—*Renovated butter: Production and exportation*

Year ended June 30—	Fac-tories <sup>1</sup>	Produc-tion	Exporta-tion	Year ended June 30—	Fac-tories <sup>1</sup>	Produc-tion	Exporta-tion
		<i>Pounds</i>	<i>Pounds</i>			<i>Pounds</i>	<i>Pounds</i>
1902..	55	No record.	No record.	1918..	19	19,270,933	17,340
1903..	81	54,658,790	1,312,000	1919..	15	17,358,718	41,200
1904..	77	54,171,183	3,118,018	1920..	11	9,735,214	8,110
1905..	78	60,029,421	3,864,146	1921..	11	6,099,110	4,055
1906..	64	53,549,900	11,005,537	1922..	9	5,355,816	0
1907..	51	62,965,613	5,538,410	1923..	5	4,003,307	6,574
1908..	49	50,479,489	1,271,610	1924..	4	4,044,476	9,330
1909..	49	47,345,361	1,115,288	1925..	4	3,824,929	-----
1910..	42	47,433,575	41,850	1926..	4	2,482,660	-----
1911..	45	39,292,591	118,890	1927..	6	4,272,033	-----
1912..	39	46,387,393	952,516	1928..	5	3,160,465	-----
1913..	39	38,354,762	75,037	1929..	5	3,040,895	-----
1914..	34	32,470,030	674,780	1930..	5	1,749,713	-----
1915..	29	39,056,180	1,918,015	1931..	5	1,499,041	-----
1916..	28	34,514,527	133,300	1932..	4	1,124,299	-----
1917..	22	27,507,982	635,038				

Production from reports of the Bureau of Internal Revenue, and exports from Bureau of Animal Industry.

<sup>1</sup> Total number of factories at end of fiscal year.

TABLE 81.—*Oleomargarine: Production and exportation*

Year ended June 30—	Production	Exporta-tion	Year ended June 30—	Production	Exporta-tion
	<i>Pounds</i>	<i>Pounds</i>		<i>Pounds</i>	<i>Pounds</i>
1887-----	21,513,537	834,574	1920-----	391,279,512	10,335,445
1890-----	32,324,032	2,535,926	1921-----	281,081,514	3,494,683
1900-----	107,045,028	4,256,067	1922-----	190,950,373	1,066,189
1905-----	57,987,336	2,543,433	1923-----	209,182,188	1,437,040
1910-----	141,862,280	2,864,770	1924-----	239,698,749	1,127,884
1911-----	121,162,795	3,146,094	1925-----	215,402,538	1,386,268
1912-----	128,601,053	3,150,282	1926-----	248,046,818	1,562,294
1913-----	145,227,862	2,477,659	1927-----	257,156,627	2,134,221
1914-----	144,021,276	2,143,702	1928-----	294,699,289	1,791,668
1915-----	145,810,048	3,112,528	1929-----	333,121,451	2,147,608
1916-----	152,509,913	2,587,689	1930-----	349,123,725	2,039,488
1917-----	233,170,111	2,894,266	1931-----	277,773,024	1,950,873
1918-----	326,528,839	2,485,779	1932-----	215,342,260	1,666,197
1919-----	359,216,571	10,227,702			

Bureau of Internal Revenue.

The table includes colored and uncolored oleomargarine. No imports have been reported.

TABLE 82.—*Oleomargarine: Production and apparent consumption in the United States, 1924-25 to 1931-32*

Year beginning July	Production			Stocks beginning of year	Exports	Stocks end of year	Apparent consumption	
	Colored	Uncolored	Total				Total	Per capita
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	Lbs.
1924-25.....	11, 280	204, 123	215, 403	2, 607	887	2, 720	214, 403	1. 87
1925-26.....	13, 181	234, 866	248, 047	2, 720	1, 256	2, 942	246, 569	2. 12
1926-27.....	14, 502	242, 655	257, 157	2, 942	942	3, 299	255, 858	2. 17
1927-28.....	15, 351	279, 348	294, 699	3, 299	732	3, 187	294, 079	2. 46
1928-29.....	16, 306	316, 816	333, 122	3, 187	633	4, 191	331, 485	2. 74
1929-30.....	17, 103	332, 021	349, 124	4, 191	931	4, 702	347, 682	2. 84
1930-31.....	8, 847	268, 926	277, 773	4, 694	604	2, 494	279, 369	2. 26
1931-32.....	4, 636	210, 706	215, 342	2, 494	553	2, 628	214, 655	1. 72

Bureau of Agricultural Economics. Production and stocks from reports of the Bureau of Internal Revenue. Exports from reports of the Bureau of Foreign and Domestic Commerce. See 1927 Yearbook, p. 1088, for data for earlier years.

TABLE 83.—*Oleomargarine: Materials used in manufacture, 1921-22 to 1931-32*

Material	Year beginning July—					
	1921-22	1922-23	1923-24	1924-25	1925-26	1926-27
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Butter.....	1, 107	1, 576	1, 900	1, 509	2, 330	2, 070
Coconut oil.....	57, 394	65, 656	83, 059	79, 449	98, 307	107, 654
Coloring.....	11	11	26	38	41	18
Corn oil.....			457	196	174	183
Cottonseed oil.....	15, 420	18, 757	20, 640	20, 966	25, 608	23, 372
Edible tallow.....			24	111	93	219
Milk.....	53, 939	59, 835	69, 090	61, 924	72, 662	73, 700
Mustard-seed oil.....			38	27	34	53
Neutral lard.....	27, 057	29, 568	32, 210	25, 674	25, 172	24, 872
Oleo oil.....	40, 980	46, 645	52, 265	44, 102	47, 418	48, 741
Oleo stearine.....	4, 574	4, 815	5, 317	5, 250	5, 314	5, 145
Oleo stock.....	2, 143	2, 322	2, 756	3, 183	3, 082	2, 552
Peanut oil.....	11, 625	6, 922	5, 656	4, 392	5, 257	4, 872
Salt.....	16, 262	17, 998	20, 593	18, 725	20, 593	21, 683
Soybean oil.....					1	33
Miscellaneous.....	3, 417	2, 918	432	688	1, 374	918
Total.....	233, 929	257, 023	294, 463	266, 234	307, 460	316, 085

TABLE 83.—*Oleomargarine: Materials used in manufacture. 1921-22 to 1931-32—Continued*

Material	Year beginning July—Continued				
	1927-28	1928-29	1929-30	1930-31	1931-32
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Butter.....	2,484	2,611	2,616	1,013	39
Coconut oil.....	141,000	171,412	185,066	155,954	127,967
Coloring.....	19	47	21	11	5
Corn oil.....	38		(1)	159	74
Cottonseed oil.....	24,801	28,173	30,214	22,037	14,874
Edible tallow.....	70	26	16	(1)	
Milk.....	83,115	94,752	97,753	77,251	54,257
Mustard-seed oil.....	56	12	48	48	1
Neutral lard.....	25,036	24,189	19,632	10,180	10,557
Oleo oil.....	45,477	47,185	45,322	28,040	15,315
Oleo stearine.....	5,532	5,834	6,269	5,485	4,337
Oleo stock.....	1,738	1,294	1,189	1,025	641
Peanut oil.....	5,459	6,617	5,714	5,291	3,780
Salt.....	25,024	27,311	28,890	22,981	14,659
Soybean oil.....			619	2,262	13
Miscellaneous.....	1,220	1,474	1,279	3,154	846
Total.....	361,069	410,937	424,648	334,891	247,365

Bureau of Agricultural Economics. Compiled from annual reports of the Bureau of Internal Revenue.

<sup>1</sup> Not over 500 pounds.

TABLE 84.—*Cheese: Total production of farm and factory cheese in the United States*

Year	Factory cheese	Farm cheese	Total cheese
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
1849 <sup>1</sup>	-----	105, 535, 893	105, 535, 893
1859 <sup>1</sup>	-----	103, 663, 927	103, 663, 927
1869 <sup>1</sup>	109, 435, 229	53, 492, 153	162, 927, 382
1879 <sup>1</sup>	215, 885, 361	27, 272, 489	243, 157, 850
1889 <sup>1</sup>	238, 035, 065	18, 726, 818	256, 761, 883
1899 <sup>1</sup>	282, 634, 488	16, 372, 330	299, 006, 818
1904 <sup>1</sup>	317, 144, 872	-----	-----
1909 <sup>1</sup>	311, 175, 730	9, 405, 864	320, 581, 594
1914 <sup>1</sup>	377, 513, 409	-----	-----
1916 <sup>2</sup>	314, 716, 739	-----	-----
1917 <sup>2</sup>	372, 540, 203	-----	-----
1918 <sup>2</sup>	356, 947, 000	-----	-----
1919 <sup>2</sup>	399, 239, 000	-----	-----
1920 <sup>2</sup>	362, 431, 000	-----	-----
1921 <sup>2</sup>	355, 838, 000	-----	-----
1922 <sup>2</sup>	369, 980, 000	-----	-----
1923 <sup>2</sup>	394, 697, 000	-----	-----
1924 <sup>2</sup>	413, 940, 000	-----	-----
1925 <sup>2</sup>	443, 514, 000	-----	-----
1926 <sup>2</sup>	427, 416, 000	-----	-----
1927 <sup>2</sup>	406, 686, 000	-----	-----
1928 <sup>2</sup>	437, 519, 000	-----	-----
1929 <sup>2</sup>	483, 933, 000	-----	-----
1930 <sup>2</sup>	500, 367, 000	-----	-----
1931 <sup>2</sup>	492, 379, 000	-----	-----
1932 <sup>2</sup>	484, 103, 000	-----	-----

Bureau of the Census and Bureau of Agricultural Economics.

<sup>1</sup> Census.

<sup>2</sup> Bureau of Agricultural Economics.

NOTE.—The cheese production as reported by the Bureau of the Census was: 1919, 475,330,820 pounds of factory cheese; 1921, 423,360,054 pounds; 1923, 527,969,905 pounds; 1925, 494,773,282 pounds; 1927, 449,444,448 pounds; 1929, 487,200,055 pounds.

There are no records of farm-made cheese except for census year.

For production of cheese by States see table 87.

Cottage cheese was included in Census figures up to 1919.



TABLE 85.—*Cheese: Production of all kinds*

Kinds of cheese	1916	1917	1918	1919	1920	1921
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Cheddar:						
Whole milk.....	227,032	274,946	253,634	295,144	254,684	261,727
Part skim.....	7,856	8,058	8,313	6,854	4,467	1,455
Full skim.....	4,726	5,150	6,110	7,256	6,458	1,733
Swiss.....	15,317	15,435	19,363	21,602	20,430	22,678
Limburger.....	9,623	9,798	8,467	7,844	7,503	7,035
Italian.....	( <sup>1</sup> )	( <sup>1</sup> )	4,835	4,391	4,779	33,793
Brick and Munster.....	41,552	45,923	41,376	38,776	44,126	42,073
Cream and Neuf- chatel.....	( <sup>1</sup> )	( <sup>1</sup> )	5,862	5,639	7,601	9,279
All others.....	8,609	13,233	8,986	11,733	12,383	6,065

  

Kinds of cheese	1922	1923	1924	1925	1926
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Cheddar:					
Whole milk.....	282,806	308,108	324,695	347,240	335,915
Part skim.....	2,164	2,145	2,470	2,793	2,927
Full skim.....	2,500	2,033	1,605	3,298	1,384
Swiss.....	19,983	24,555	21,844	23,457	20,883
Limburger.....	7,383	7,100	9,734	9,163	9,639
Italian.....	2,627	2,132	1,973	1,562	2,425
Brick and Munster.....	37,194	33,250	32,052	34,101	31,048
Cream and Neufchatel.....	9,936	10,334	14,945	17,575	18,192
All others.....	5,378	5,040	4,622	4,325	5,003

  

Kinds of cheese	1927	1928	1929	1930	1931
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Cheddar:					
Whole milk.....	307,777	335,253	370,314	378,816	374,648
Part skim.....	3,390	2,900	4,951	3,653	3,108
Full skim.....	1,888	3,048	1,074	669	416
Swiss.....	18,141	16,718	19,406	26,393	28,234
Limburger.....	8,842	7,437	8,568	8,473	8,508
Italian.....	3,377	3,587	5,948	8,573	3,493
Brick and Munster.....	31,546	28,960	31,763	33,548	35,484
Cream and Neufchatel.....	25,962	30,589	34,405	33,213	33,637
All others.....	5,763	9,027	7,504	7,029	4,851

<sup>1</sup> The Italian and cream and Neufchatel cheeses were included in "All other" for the years 1916 and 1917.

TABLE 86.—*Whole-milk American cheese: Production, by months*

Month	1916	1917	1918 <sup>1</sup>	1919 <sup>1</sup>	1920	1921
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....		8, 519	8, 143	10, 956	10, 457	11, 889
February.....		9, 415	7, 860	11, 855	11, 509	12, 858
March.....		11, 918	11, 992	19, 009	14, 954	17, 678
April.....		17, 577	17, 931	21, 642	18, 856	23, 521
May.....		28, 932	31, 285	34, 849	29, 832	34, 556
June.....		38, 796	40, 184	44, 599	41, 376	36, 444
July.....		35, 296	34, 332	35, 465	34, 313	26, 977
August.....		32, 248	29, 996	30, 940	26, 787	27, 652
September.....	29, 984	37, 613	25, 424	26, 257	22, 935	23, 612
October.....	18, 162	22, 303	18, 862	23, 114	20, 054	21, 496
November.....	11, 772	14, 262	12, 172	13, 107	13, 308	13, 426
December.....	7, 607	8, 070	9, 097	10, 044	10, 303	11, 618
Total.....	67, 525	264, 949	247, 278	281, 837	254, 684	261, 727

  

Month	1922	1923	1924	1925	1926
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	12, 837	15, 092	17, 718	16, 834	19, 519
February.....	13, 927	15, 326	18, 886	17, 991	19, 984
March.....	18, 774	20, 184	22, 955	21, 598	25, 216
April.....	21, 740	24, 014	24, 597	26, 889	29, 221
May.....	31, 349	32, 942	33, 657	38, 012	38, 598
June.....	36, 254	41, 382	43, 517	45, 782	46, 320
July.....	33, 265	38, 288	40, 716	43, 706	40, 164
August.....	29, 496	31, 822	33, 602	37, 659	33, 239
September.....	25, 581	28, 648	30, 539	31, 548	28, 809
October.....	25, 785	25, 566	26, 210	28, 253	23, 164
November.....	18, 382	18, 236	17, 252	20, 349	16, 386
December.....	15, 416	16, 608	15, 046	18, 619	15, 295
Total.....	282, 806	308, 108	324, 695	347, 240	335, 915

  

Month	1927	1928	1929	1930	1931
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	16, 660	18, 010	19, 925	23, 660	21, 941
February.....	17, 085	19, 005	19, 522	23, 031	22, 018
March.....	21, 318	23, 451	24, 059	28, 502	27, 571
April.....	24, 532	28, 221	30, 181	34, 143	32, 940
May.....	34, 704	37, 324	42, 483	48, 545	44, 439
June.....	41, 489	45, 012	51, 702	53, 887	49, 513
July.....	38, 195	40, 072	48, 007	45, 582	40, 595
August.....	31, 944	34, 229	37, 811	33, 555	32, 956
September.....	25, 783	30, 342	30, 824	26, 705	29, 139
October.....	23, 012	25, 134	25, 961	23, 581	30, 470
November.....	16, 717	18, 013	19, 655	18, 781	23, 016
December.....	16, 337	16, 440	20, 184	18, 838	20, 050
Total.....	307, 777	335, 253	370, 314	378, 816	374, 648

<sup>1</sup> From preliminary figures. Some later reports from factories were added in States but monthly statements not revised.

TABLE 87.—*Cheese:*<sup>1</sup> *Total production in factories, by States*

State	1927	1928	1929	1930	1931
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Alabama.....	0	1, 210	1, 254	357	0
Arizona.....	758	744	623	393	379
Arkansas.....	0	492	1, 551	1, 468	1, 344
California.....	6, 148	10, 834	9, 300	9, 159	10, 420
Colorado.....	2, 419	3, 943	4, 337	4, 075	3, 565
Connecticut.....	0	0	0	0	1
Delaware.....	0	0	0	0	0
District of Columbia.....	0	0	0	0	0
Florida.....	0	0	3	0	0
Georgia.....	0	99	0	0	0
Idaho.....	7, 697	7, 945	7, 664	8, 906	6, 343
Illinois.....	8, 932	10, 156	12, 311	9, 132	8, 606
Indiana.....	730	5, 113	10, 128	11, 957	14, 704
Iowa.....	496	747	1, 079	1, 028	1, 244
Kansas.....	315	2, 144	2, 935	4, 112	4, 565
Kentucky.....	0	70	1, 321	1, 905	2, 083
Louisiana.....	6	51	108	17	112
Maine.....	96	88	75	85	84
Maryland.....	1	1	0	0	0
Massachusetts.....	171	393	571	371	408
Michigan.....	6, 837	8, 351	9, 313	8, 094	7, 546
Minnesota.....	7, 969	9, 724	11, 487	9, 574	8, 876
Mississippi.....	15	2, 325	4, 628	4, 452	4, 974
Missouri.....	488	2, 386	4, 442	3, 248	3, 344
Montana.....	1, 459	2, 348	1, 898	1, 612	1, 609
Nebraska.....	1, 078	2, 796	3, 315	3, 297	1, 944
Nevada.....	95	88	72	48	22
New Hampshire.....	0	0	0	0	0
New Jersey.....	121	237	118	403	49
New Mexico.....	0	42	0	0	0
New York.....	48, 618	57, 370	54, 173	58, 373	52, 911
North Carolina.....	76	147	441	385	339
North Dakota.....	25	3	0	0	29
Ohio.....	3, 012	3, 241	3, 009	3, 662	6, 663
Oklahoma.....	0	0	103	415	429
Oregon.....	11, 664	11, 619	12, 984	15, 031	16, 343
Pennsylvania.....	4, 654	6, 423	2, 161	2, 727	2, 826
Rhode Island.....	0	59	0	0	0
South Carolina.....	0	0	0	123	226
South Dakota.....	0	57	347	420	601
Tennessee.....	154	650	2, 458	2, 522	2, 612
Texas.....	0	983	2, 825	3, 078	4, 683
Utah.....	2, 309	2, 592	2, 795	2, 904	3, 083
Vermont.....	926	761	721	1, 413	233
Virginia.....	87	507	1, 005	1, 085	686
Washington.....	3, 160	4, 403	4, 975	5, 376	6, 197
West Virginia.....	1	1	1	2	1
Wisconsin.....	284, 102	274, 191	305, 171	316, 639	309, 957
Wyoming.....	2, 067	2, 185	2, 231	2, 519	2, 338
United States.....	406, 686	437, 519	483, 933	500, 367	492, 379

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<sup>1</sup> Not including cottage, pot or bakers' cheese.

TABLE 88.—*Swiss cheese: Production, by States*

State	1927	1928	1929	1930	1931
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Wisconsin.....	14, 891	13, 761	16, 419	23, 744	22, 844
Ohio.....	2, 184	1, 659	1, 053	914	2, 483
New York.....	383	436	381	271	128
Illinois.....	294	346	519	702	592
Idaho.....	168	227	337	420	887
California.....	163	234	239	0	0
Pennsylvania.....	5	8	79	76	78
Indiana.....	0	47	245	226	18
Oregon.....	35	0	0	0	104
Michigan.....	18	0	35	0	0
Washington.....	0	0	0	0	0
Montana.....	0	0	0	0	0
Wyoming.....	0	0	0	0	742
North Carolina.....	0	0	0	40	205
Virginia.....					147
Colorado.....	0	0	0	0	0
South Carolina.....					6
Texas.....	0	0	99	0	0
Total.....	18, 141	16, 718	19, 406	26, 393	28, 234

TABLE 89.—*Cheese: Seasonal variation in production and receipts at four principal markets, 5-year average, 1925-29*

Month	Pro- duction	Re- ceipts <sup>1</sup>	Month	Pro- duction	Re- ceipts <sup>1</sup>
	<i>Percent</i>	<i>Percent</i>		<i>Percent</i>	<i>Percent</i>
January.....	5. 50	6. 82	August.....	10. 08	10. 23
February.....	5. 57	6. 74	September.....	8. 80	9. 25
March.....	6. 87	6. 96	October.....	8. 07	9. 08
April.....	8. 08	7. 23	November.....	5. 77	7. 24
May.....	11. 25	8. 49	December.....	5. 24	6. 61
June.....	13. 08	10. 24			
July.....	11. 70	11. 11	Total.....	100. 00	100. 00

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<sup>1</sup> New York, Chicago, Philadelphia, and Boston.



TABLE 90.—*Cheese: Gross receipts at four markets, by months*<sup>1</sup>

Month	1923	1924	1925	1926	1927
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	12, 475	13, 174	14, 229	14, 004	11, 990
February.....	12, 046	15, 147	12, 310	13, 038	14, 214
March.....	14, 648	15, 494	14, 287	14, 245	14, 170
April.....	15, 575	15, 474	14, 770	14, 385	15, 802
May.....	17, 911	17, 991	17, 447	13, 706	20, 017
June.....	24, 235	20, 807	22, 829	20, 146	20, 765
July.....	24, 402	23, 563	24, 212	20, 646	22, 512
August.....	20, 443	18, 894	22, 472	19, 437	21, 199
September.....	17, 634	18, 017	19, 485	17, 054	20, 397
October.....	20, 393	16, 568	20, 118	17, 876	17, 964
November.....	15, 372	14, 169	16, 180	15, 332	13, 379
December.....	12, 213	14, 271	13, 362	15, 126	13, 145
Total.....	207, 347	203, 569	211, 701	194, 995	205, 554

  

Month	1928	1929	1930	1931	1932
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	13, 600	12, 846	11, 608	10, 886	10, 651
February.....	12, 880	13, 164	11, 645	9, 655	11, 214
March.....	13, 679	11, 476	11, 763	10, 845	10, 597
April.....	14, 057	11, 313	11, 659	10, 287	9, 856
May.....	15, 168	15, 737	13, 778	10, 902	12, 320
June.....	17, 993	17, 068	16, 314	15, 954	14, 143
July.....	20, 058	19, 264	15, 110	12, 722	14, 518
August.....	17, 576	17, 239	13, 417	13, 063	13, 486
September.....	16, 895	14, 305	13, 423	11, 078	11, 725
October.....	17, 674	13, 239	11, 237	12, 434	11, 970
November.....	13, 312	10, 844	9, 888	9, 589	11, 499
December.....	11, 045	10, 111	9, 238	8, 354	10, 693
Total.....	183, 937	166, 606	149, 080	135, 749	142, 672

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<sup>1</sup> New York, Chicago, Boston, and Philadelphia.

TABLE 91.—*Cheese: Gross receipts at New York, Chicago, Philadelphia, Boston, and San Francisco*

Year	New York	Chicago	Phila- delphia	Boston	San Fran- cisco
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1919-----	65,045	81,019	21,392	17,722	12,089
1920-----	47,004	81,597	16,866	12,997	10,203
1921-----	51,981	85,849	20,952	13,208	9,632
1922-----	50,109	107,724	19,324	13,521	9,157
1923-----	49,425	123,645	18,363	15,914	11,690
1924-----	42,959	130,024	16,866	13,725	11,482
1925-----	46,163	131,129	19,095	15,314	11,855
1926-----	45,363	115,104	19,454	15,437	12,530
1927-----	46,937	123,633	20,396	14,588	12,694
1928-----	48,272	97,264	21,039	17,362	12,676
1929-----	50,911	80,823	19,973	14,899	12,293
1930-----	52,165	58,866	21,167	16,882	15,119
1931-----	56,005	41,555	20,949	17,240	12,907
1932-----	61,195	42,804	22,081	16,593	14,349

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TABLE 92.—*Cheese: Quantity of American in storage warehouses of the United States on the first of each month*

Month	1922	1923	1924	1925	1926	1927 <sup>1</sup>
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January-----	27,691	33,617	49,566	49,187	58,457	56,758
February-----	21,430	26,593	40,506	41,552	50,359	48,106
March-----	15,006	20,693	35,160	34,647	42,587	41,383
April-----	10,745	14,465	28,294	27,716	38,041	37,188
May-----	10,868	14,077	26,202	26,147	35,597	34,332
June-----	15,481	17,507	27,172	29,550	39,346	37,710
July-----	33,130	36,834	45,239	46,468	54,069	52,085
August-----	46,580	55,839	65,864	66,634	73,681	69,119
September-----	53,625	63,960	76,406	76,512	81,297	71,825
October-----	49,473	62,384	73,153	78,532	77,646	67,402
November-----	40,852	57,927	67,905	71,913	72,491	60,766
December-----	37,291	55,105	58,705	66,495	63,881	55,140

TABLE 92.—*Cheese: Quantity of American in storage warehouses of the United States on the first of each month—Continued*

Month	1928	1929	1930	1931	1932	1933
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	49,914	71,177	68,930	67,599	60,804	57,749
February.....	43,837	60,772	58,972	58,516	54,360	53,532
March.....	38,189	52,665	53,208	52,304	47,106	46,992
April.....	33,294	48,175	46,507	45,277	42,009	41,625
May.....	32,177	44,983	43,239	44,792	38,951	37,321
June.....	39,203	50,721	53,403	46,764	40,461	41,336
July.....	56,386	66,640	74,986	63,156	53,922	67,456
August.....	75,862	83,914	93,773	73,693	63,667	82,771
September.....	86,632	90,863	92,063	73,740	66,721	-----
October.....	84,745	89,797	90,152	70,940	68,555	-----
November.....	85,126	83,737	83,674	69,611	66,813	-----
December.....	77,258	76,669	75,736	66,053	62,392	-----

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<sup>1</sup> Beginning with January 1927 certain amounts of American cheese are included which were previously classified as current trading stocks.

TABLE 93.—*Cheese: Quantities of all kinds in storage warehouses of the United States on the first of each month*

Month	1918	1919	1920	1921	1922
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	69,619	30,225	64,694	51,169	41,594
February.....	58,495	25,748	54,416	40,207	33,001
March.....	39,836	18,608	43,656	30,456	25,477
April.....	29,978	15,102	32,144	24,908	19,339
May.....	19,937	14,838	25,605	23,940	18,980
June.....	23,087	23,291	23,341	28,453	24,070
July.....	35,225	51,407	44,504	47,617	43,542
August.....	56,792	78,394	70,034	56,317	57,763
September.....	68,970	92,589	80,258	62,903	66,875
October.....	54,800	96,593	74,982	62,366	62,923
November.....	44,366	87,980	69,092	59,505	53,815
December.....	37,473	76,414	58,800	49,002	48,620

TABLE 93.—*Cheese: Quantities of all kinds in storage warehouse of the United States on the first of each month—Continued*

Month	1923	1924	1925	1926	1927
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	45, 234	67, 221	67, 558	76, 649	74, 217
February.....	37, 228	57, 232	58, 461	67, 531	64, 216
March.....	29, 516	50, 388	50, 117	58, 175	56, 073
April.....	21, 815	42, 413	40, 480	51, 285	49, 835
May.....	21, 192	40, 235	39, 037	47, 450	47, 461
June.....	26, 235	42, 644	42, 888	52, 167	52, 748
July.....	48, 728	61, 755	61, 992	68, 771	69, 302
August.....	70, 860	84, 073	83, 568	90, 053	89, 965
September.....	80, 663	95, 211	95, 472	98, 473	92, 280
October.....	78, 791	91, 282	97, 777	95, 385	87, 080
November.....	74, 302	88, 043	90, 866	89, 785	79, 334
December.....	72, 623	77, 594	84, 561	81, 084	72, 428

  

Month	1928	1929	1930	1931	1932	1933
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	66, 184	88, 832	86, 075	83, 288	78, 318	68, 714
February.....	57, 906	77, 024	74, 523	73, 488	70, 682	63, 321
March.....	50, 263	67, 087	67, 281	66, 177	60, 962	55, 731
April.....	44, 710	61, 223	59, 928	57, 711	54, 021	48, 806
May.....	43, 761	57, 569	56, 940	57, 422	50, 764	43, 626
June.....	51, 477	64, 177	72, 358	60, 242	52, 118	48, 481
July.....	71, 353	83, 627	95, 221	77, 989	66, 531	78, 715
August.....	92, 482	102, 077	113, 923	89, 264	76, 327	94, 291
September.....	104, 224	110, 314	112, 061	91, 284	79, 847	-----
October.....	101, 251	107, 831	108, 767	88, 564	81, 406	-----
November.....	100, 229	100, 558	101, 148	87, 386	78, 274	-----
December.....	92, 903	92, 553	91, 775	84, 035	73, 916	-----

Bureau of Agricultural Economics.

1927 to 1931, inclusive, revised because of a transfer of certain amounts of American cheese from the designation of current trading stocks to cold storage stocks.



TABLE 94.—*Cheese, all kinds: Apparent consumption,<sup>1</sup> by months*

Month	1927	1928	1929	1930	1931	1932
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	37, 574	38, 349	46, 415	48, 398	41, 663	39, 768
February.....	35, 126	38, 779	42, 411	41, 773	40, 823	42, 770
March.....	41, 753	41, 647	43, 645	50, 295	49, 363	45, 700
April.....	41, 738	43, 340	47, 659	53, 944	49, 550	47, 531
May.....	47, 184	45, 935	53, 789	58, 434	60, 612	57, 365
June.....	44, 150	42, 761	54, 161	50, 796	50, 308	50, 561
July.....	34, 015	34, 427	47, 015	42, 244	45, 643	43, 990
August.....	41, 908	36, 589	44, 602	49, 916	44, 845	45, 079
September.....	43, 768	48, 474	47, 242	44, 256	46, 640	43, 596
October.....	47, 430	43, 626	49, 433	47, 240	48, 836	47, 678
November.....	39, 815	42, 381	42, 952	41, 770	40, 909	43, 083
December.....	36, 644	36, 396	41, 162	40, 434	38, 476	40, 801
Total.....	491, 105	492, 704	560, 486	569, 500	557, 668	547, 922

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<sup>1</sup>Not corrected for reëxport.TABLE 95.—*Cheese, American: Average of the highest wholesale prices per pound in New York State and New York markets<sup>1</sup>*

Year	Price per pound	Year	Price per pound	Year	Price per pound
	<i>Cents</i>		<i>Cents</i>		<i>Cents</i>
1851.....	5. 7	1914.....	15. 6	1924.....	20. 5
1860.....	11. 0	1915.....	15. 5	1925.....	24. 2
1870.....	<sup>2</sup> 19. 2	1916.....	19. 0	1926.....	23. 3
1880.....	13. 7	1917.....	24. 4	1927.....	<sup>3</sup> 25. 7
1890.....	9. 5	1918.....	27. 2	1928.....	25. 4
1900.....	11. 2	1919.....	32. 2	1929.....	23. 6
1910.....	16. 4	1920.....	26. 7	1930.....	19. 7
1911.....	14. 1	1921.....	23. 0	1931.....	15. 4
1912.....	16. 4	1922.....	22. 3	1932.....	12. 8
1913.....	15. 4	1923.....	25. 2		

Producers' Price Current, and New York Produce Review.

<sup>1</sup> The quotations for 1851 and 1860 are from market centers outside of New York City. From 1870 on they are for New York City. For 1919 and later years from Bureau of Agricultural Economics.<sup>2</sup> Price in gold, 16.7 cents.<sup>3</sup> Single daisies, 1927-32.

TABLE 96.—*Imported Swiss cheese: Wholesale price per pound of round, large-eyed cheese at New York*

Month	1923	1924	1925	1926	1927
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	43.10	44.00	47.20	47.00	38.60
February.....	43.25	45.00	47.75	46.50	38.50
March.....	43.25	45.00	47.75	43.25	39.37
April.....	44.20	45.40	47.75	42.60	41.30
May.....	47.00	45.70	47.20	42.50	43.00
June.....	47.50	46.10	47.00	42.75	45.00
July.....	48.70	46.60	47.20	43.30	46.20
August.....	48.75	47.70	47.40	39.40	46.60
September.....	47.50	49.50	47.50	38.60	47.75
October.....	48.60	49.00	47.40	38.60	47.25
November.....	48.90	48.00	47.25	39.00	<sup>1</sup> 47.60
December.....	46.10	47.00	47.00	39.00	48.00
Average.....	46.40	46.58	47.37	41.88	44.01

  

Month	1928	1929	1930	1931	1932	1933
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	48.00	47.00	49.00	47.20	43.12	36.10
February.....	47.12	47.00	48.88	46.00	40.75	36.00
March.....	46.50	47.00	48.50	46.00	38.54	35.75
April.....	46.50	47.00	48.50	46.65	38.50	35.67
May.....	46.50	47.75	48.50	49.00	38.50	39.88
June.....	46.70	48.00	-----	49.00	36.78	41.23
July.....	47.50	48.00	-----	47.54	37.00	46.80
August.....	48.00	48.00	-----	46.04	37.00	47.82
September.....	47.60	48.30	-----	46.00	37.00	-----
October.....	47.50	49.00	48.50	46.50	37.00	-----
November.....	47.10	49.00	48.50	-----	36.50	-----
December.....	47.00	49.00	48.50	46.50	36.50	-----
Average.....	47.17	47.92	<sup>2</sup> 48.61	<sup>3</sup> 46.95	38.10	-----

## Producers' Price Current.

<sup>1</sup> November 1927, and thereafter, for Switzerland, fancy, large-eyed, and round.

<sup>2</sup> 8 months' average.

<sup>3</sup> 11 months' average.

TABLE 97.—*Cheese, twins: Price on Wisconsin Cheese Exchange*

Month	1923	1924	1925	1926	1927
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	25.0	21.3	22.6	22.7	24.0
February.....	23.4	20.3	21.8	21.6	23.2
March.....	21.0	19.4	21.1	19.4	21.4
April.....	19.3	16.4	21.5	17.4	21.0
May.....	21.4	16.8	20.5	17.2	21.4
June.....	21.8	17.2	21.1	17.9	21.3
July.....	20.1	16.4	20.1	18.0	20.8
August.....	22.0	17.5	21.5	18.9	22.2
September.....	24.0	18.3	21.2	20.4	23.4
October.....	23.9	17.3	22.3	22.2	25.0
November.....	22.2	17.6	21.8	22.5	23.7
December.....	20.8	20.0	22.1	23.2	24.9
Average.....	22.1	18.2	21.5	20.1	22.7

  

Month	1928	1929	1930	1931	1932	1933
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	24.8	21.0	18.4	14.0	10.9	9.5
February.....	23.2	20.4	18.0	13.4	10.1	8.0
March.....	21.0	20.9	17.3	13.0	10.0	8.3
April.....	21.0	20.2	17.4	12.1	9.1	9.5
May.....	21.1	20.0	16.8	10.4	9.0	-----
June.....	22.7	20.0	15.1	10.8	8.6	-----
July.....	22.6	18.5	14.3	11.5	8.9	-----
August.....	22.2	19.4	15.6	13.0	10.6	-----
September.....	23.1	20.6	17.0	14.0	11.0	-----
October.....	21.8	21.0	16.2	13.4	10.9	-----
November.....	20.6	20.7	16.0	12.3	10.1	-----
December.....	21.5	19.7	15.0	12.0	10.5	-----
Average.....	22.1	20.2	16.4	12.5	10.0	-----

TABLE 98.—*Cheese imports from France, Greece, Italy, Netherlands, and Switzerland*

Year	France	Greece	Italy	Nether-lands	Switzer-land
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1913.....	4,604	-----	24,462	3,197	20,124
1914.....	4,012	-----	24,479	3,316	18,154
1915.....	3,437	3,216	18,004	1,144	12,429
1916.....	2,321	209	19,201	385	5,916
1917.....	1,545	8	217	24	2
1918.....	542	-----	5	-----	-----
1919.....	681	1	374	5	12
1920.....	1,583	81	985	863	802
1921.....	2,081	419	9,100	1,183	2,359
1922.....	3,259	782	16,628	2,254	12,011
1923.....	5,121	1,456	28,034	2,498	16,034
1924.....	4,444	1,817	31,256	2,899	13,632
1925.....	5,567	1,491	33,829	2,937	15,993
1926.....	5,424	2,570	35,026	3,471	16,736
1927.....	4,678	2,334	31,938	3,696	19,066
1928.....	6,663	2,788	38,008	3,712	18,564
1929.....	5,948	2,071	32,602	3,196	18,839
1930.....	4,607	1,830	33,226	2,501	19,077
1931.....	4,319	1,122	32,542	2,519	17,170
1932.....	4,401	1,098	31,176	2,326	11,728

Foreign and Domestic Commerce Reports.

TABLE 99.—*Cheese: Balance of trade of United States*

Year	General imports	Domestic exports	Foreign exports	Total exports	Balance
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1918.....	7,562	48,405	86	48,491	<i>E</i> 40,929
1919.....	11,332	14,213	423	14,637	<i>E</i> 3,304
1920.....	15,994	16,292	3,692	19,174	<i>E</i> 3,180
1921.....	26,866	11,767	144	11,911	<i>I</i> 14,955
1922.....	46,573	5,007	249	5,256	<i>I</i> 41,317
1923.....	64,420	8,338	160	8,498	<i>I</i> 55,922
1924.....	59,176	4,299	304	4,603	<i>I</i> 54,572
1925.....	62,403	9,190	470	9,660	<i>I</i> 52,743
1926.....	78,417	3,903	179	4,081	<i>I</i> 74,335
1927.....	79,796	3,410	579	3,990	<i>I</i> 75,806
1928.....	81,340	2,600	218	2,817	<i>I</i> 78,522
1929.....	76,365	2,645	373	3,018	<i>I</i> 73,347
1930.....	68,311	1,964	164	2,128	<i>I</i> 66,182
1931.....	61,991	1,673	192	1,865	<i>I</i> 60,127
1932.....	55,623	1,408	82	1,490	<i>I</i> 54,133

Compiled from reports of the Bureau of Foreign and Domestic Commerce.

*E*—Export balance.*I*—Import balance.



TABLE 100.—*Production of condensed and evaporated milk*

Year	Con- densed milk	Evaporated milk	Con- densed and evap- orated milk
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1879.....			<sup>1</sup> 13, 033
1889.....			<sup>1</sup> 37, 927
1899.....			<sup>1</sup> 186, 922
1904.....			<sup>1</sup> 308, 485
1909.....	214, 519	280, 278	494, 797
1914.....	267, 870	605, 541	<sup>2</sup> 875, 507
1919.....	760, 582	1, 389, 599	<sup>2</sup> 2, 153, 509
1921.....	345, 648	1, 412, 892	<sup>2</sup> 1, 766, 479
1923.....	<sup>3</sup> 417, 688	<sup>3</sup> 1, 417, 181	<sup>3</sup> 1, 834, 869
1925.....	430, 698	1, 287, 695	<sup>3</sup> 1, 813, 843
1927.....	378, 687	1, 605, 573	<sup>3</sup> 2, 097, 300
1929.....	<sup>4</sup> 532, 727	<sup>4</sup> 1, 642, 214	<sup>3</sup> 2, 310, 727
1931.....			

Bureau of the Census.

<sup>1</sup> Condensed and evaporated milk not reported separately.<sup>2</sup> Includes some milk not reported separately for condensed and evaporated.<sup>3</sup> Includes condensed and evaporated buttermilk.<sup>4</sup> Condensed milk consists of 246,345,000 pounds of case goods and 286,383,000 pounds of bulk goods. Evaporated milk consists of 1,366,764,143 pounds of case goods and 275,449,418 pounds of bulk goods.

TABLE 101.—*Condensed milk: Production, by States, 1931*

State	Case		Bulk	
	Skimmed	Un-skimmed	Skimmed	Un-skimmed
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
California.....	221	6, 770	3, 654	1, 418
Colorado.....			102	
Connecticut.....			7	
Illinois.....	28	10, 334	8, 719	4, 400
Indiana.....			14, 314	1, 419
Iowa.....			751	
Kansas.....		2, 564	6, 993	2, 945
Kentucky.....			288	
Louisiana.....			118	
Maryland.....			429	354
Michigan.....	1, 466	9, 408	20, 451	470
Minnesota.....			2, 885	11, 058
Mississippi.....		11, 815	947	15
Missouri.....			581	
Nebraska.....			485	55
New Hampshire.....			184	
New Jersey.....			283	149
New York.....		30, 151	18, 874	2, 796
Ohio.....	42	1, 744	17, 673	6, 349
Oklahoma.....			375	
Oregon.....		9, 785	156	54
Pennsylvania.....			8, 127	1, 243
South Dakota.....			5	
Tennessee.....		5, 916		
Texas.....			1, 237	162
Utah.....		847	87	
Vermont.....		1, 672	7, 763	982
Virginia.....			1, 106	205
Washington.....			461	586
West Virginia.....				37
Wisconsin.....		6, 463	23, 306	11, 190
United States.....	1, 757	97, 469	140, 361	45, 887

Bureau of Agricultural Economics.

TABLE 102.—*Evaporated milk: Production, by States, 1931*

State	Case		Bulk	
	Skimmed	Un-skimmed	Skimmed	Un-skimmed
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Alabama.....		5, 772	2, 702	
Arizona.....		7, 690	19	
California.....		183, 462	8, 155	946
Colorado.....		21, 508	954	
Connecticut.....			2, 092	
Georgia.....			424	
Idaho.....		14, 449		
Illinois.....		83, 250	8, 250	3, 201
Indiana.....		38, 522	1, 652	32, 887
Iowa.....		8, 816	1, 511	862
Kansas.....		23, 802	1, 129	20
Kentucky.....		28, 789	25	69
Maine.....			575	
Maryland.....		7, 483	5, 665	69
Massachusetts.....			26	
Michigan.....	86	63, 734	24, 424	16, 202
Minnesota.....		7, 955	4, 444	3, 282
Mississippi.....		16, 448	21	31
Missouri.....		35, 049	1, 945	49
Nebraska.....			358	
New Hampshire.....			2, 790	
New Jersey.....			1, 034	976
New York.....		81, 284	19, 237	19, 752
North Carolina.....				441
Ohio.....		68, 681	11, 613	1, 007
Oregon.....		8, 403	328	505
Pennsylvania.....		28, 418	20, 648	9, 329
Tennessee.....		33, 225	288	502
Texas.....		10, 787	795	38
Utah.....		51, 829		
Vermont.....			2, 877	69
Virginia.....		6, 326	2, 799	475
Washington.....		49, 481	1, 695	65
West Virginia.....			377	
Wisconsin.....		543, 780	16, 564	19, 261
United States.....	86	1, 428, 993	145, 416	110, 038

Bureau of Agricultural Economics.

TABLE 103.—*Seasonal variation in production of ice cream, condensed whole milk, and evaporated whole milk, 5-year average, 1925 to 1929*

Month	Percentage produced each month		
	Ice cream	Con- densed milk	Evap- orated milk
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
January.....	3.76	7.79	6.62
February.....	4.16	6.74	6.52
March.....	5.77	8.80	7.92
April.....	7.52	10.42	9.47
May.....	10.80	12.00	11.67
June.....	13.65	10.90	13.42
July.....	16.14	8.20	10.78
August.....	14.00	7.04	8.50
September.....	9.83	6.81	7.12
October.....	6.04	7.17	7.12
November.....	4.50	6.75	5.27
December.....	3.83	7.38	5.59
Total.....	100.00	100.00	100.00

~ Bureau of Agricultural Economics.

TABLE 104.—*Ice cream: Estimated total production in the United States, by years*

Year	Total pro- duction	Year	Total pro- duction
	<i>Gallons</i>		<i>Gallons</i>
1914 <sup>1</sup> .....	163,761,000	1923.....	294,900,000
1915.....	175,224,000	1924.....	285,500,000
1916.....	208,320,000	1925.....	322,729,000
1917 <sup>2</sup> .....	210,000,000	1926.....	324,665,000
1918.....	220,000,000	1927.....	335,628,000
1919.....	230,000,000	1928.....	348,046,000
1920.....	260,000,000	1929.....	365,448,000
1921.....	244,000,000	1930.....	345,714,000
1922.....	263,520,000	1931.....	300,818,000

<sup>1</sup> From the International Confectioner, 1914 to 1916, inclusive.

<sup>2</sup> Estimates from 1917 to 1931 made by Bureau of Agricultural Economics.



TABLE 105.—*Ice cream: Production, by months, 1930 and 1931*

Quantity made			Quantity made		
Month	1930	1931	Month	1930	1931
	<i>1,000 gallons</i>	<i>1,000 gallons</i>		<i>1,000 gallons</i>	<i>1,000 gallons</i>
January.....	9,977	9,031	August.....	30,991	25,975
February.....	11,992	9,402	September.....	22,316	20,860
March.....	14,678	11,818	October.....	13,043	11,645
April.....	19,421	17,035	November.....	10,167	8,832
May.....	28,017	22,580	December.....	8,613	7,783
June.....	33,465	29,654			
July.....	38,070	33,624	Total.....	240,750	208,239

Bureau of Agricultural Economics.

TABLE 106.—*Milk sugar (lactose): Production and importation*

Year	Production <sup>1</sup>	Importation <sup>2</sup>	Year	Production <sup>1</sup>	Importation <sup>2</sup>
	<i>Pounds</i>	<i>Pounds</i>		<i>Pounds</i>	<i>Pounds</i>
1915.....		250,212	1924.....	3,331,000	-----
1916.....	1,844,228	22,400	1925.....	5,655,000	-----
1917.....	2,155,076	-----	1926.....	4,476,000	-----
1918.....	3,291,461	-----	1927.....	4,077,000	-----
1919.....	6,615,874	-----	1928.....	5,323,000	-----
1920.....	5,583,000	-----	1929.....	8,965,000	-----
1921.....	2,890,263	( <sup>3</sup> )	1930.....	12,779,000	-----
1922.....	2,191,000	-----	1931.....	9,562,000	-----
1923.....	2,872,000	-----			

Bureau of Agricultural Economics, and Foreign Commerce and Navigation.

<sup>1</sup> Calendar year.<sup>2</sup> Fiscal year ended June 30.<sup>3</sup> Imports not separately listed since 1921.

NOTE.—Census production for 1921 was 5,010,668 pounds; for 1923, 7,746,805 pounds; for 1925, 6,126,000 pounds; for 1927, 5,406,499 pounds; and for 1929, 7,101,549 pounds.

TABLE 107.—*Milk powder: Production, by years*

Year	Whole milk powder (dry milk)	Skim milk powder (dry skim milk)	Year	Whole milk powder (dry milk)	Skim milk powder (dry skim milk)
	<i>1,000 pounds</i>	<i>1,000 pounds</i>		<i>1,000 pounds</i>	<i>1,000 pounds</i>
1916-----	2, 123	16, 463	1925-----	8, 931	73, 317
1917-----	3, 139	22, 624	1926-----	10, 768	91, 718
1918-----	4, 006	26, 202	1927-----	11, 464	118, 123
1919-----	9, 042	34, 945	1928-----	9, 605	147, 996
1920-----	10, 334	41, 893	1929-----	13, 202	207, 579
1921-----	4, 242	38, 546	1930-----	15, 440	260, 675
1922-----	5, 599	40, 617	1931-----	12, 627	261, 938
1923-----	6, 560	62, 251	1932-----	11, 983	270, 194
1924-----	7, 887	69, 219			

Bureau of Agricultural Economics.

TABLE 108.—*Buttermilk powder and malted milk: Production, by years*

Year	Buttermilk powder	Malted milk	Year	Buttermilk powder	Malted milk
	<i>Pounds</i>	<i>Pounds</i>		<i>Pounds</i>	<i>Pounds</i>
1916-----	342, 485	11, 654, 384	1925-----	20, 246, 000	18, 050, 000
1917-----	2, 575, 228	13, 851, 939	1926-----	31, 378, 000	20, 673, 000
1918-----	4, 951, 296	15, 622, 876	1927-----	38, 435, 000	22, 116, 000
1919-----	5, 278, 827	17, 435, 887	1928-----	45, 502, 000	21, 128, 000
1920-----	5, 704, 000	19, 715, 000	1929-----	54, 215, 000	22, 850, 000
1921-----	7, 708, 384	15, 651, 750	1930-----	64, 601, 000	22, 691, 000
1922-----	9, 007, 000	13, 659, 000	1931-----	50, 535, 000	19, 197, 000
1923-----	13, 032, 000	15, 331, 000	1932-----	48, 712, 000	13, 215, 000
1924-----	18, 058, 000	15, 889, 000			

Bureau of Agricultural Economics.

TABLE 109.—*Condensed buttermilk: Production, by months, 1927-31*

Month	1927	1928	1929	1930	1931
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	6,301	6,213	6,919	6,695	6,140
February.....	6,122	6,263	6,354	6,218	5,206
March.....	6,101	6,880	7,078	6,175	5,147
April.....	8,579	7,544	8,884	8,526	5,719
May.....	11,766	11,541	13,945	11,933	7,903
June.....	13,458	13,643	14,367	11,442	7,615
July.....	11,038	11,862	11,967	8,597	4,340
August.....	10,434	10,408	9,899	6,980	4,854
September.....	7,749	8,776	7,555	6,779	4,882
October.....	6,585	7,308	8,507	8,642	4,626
November.....	5,407	5,893	5,282	7,325	3,778
December.....	5,640	6,121	6,531	7,119	4,409
Total.....	99,180	102,452	107,288	96,431	64,619

Bureau of Agricultural Economics.

TABLE 110.—*Casein: Production, importation, value of imports, and import price*

Year	Production	Imports <sup>1</sup>	Value of imports <sup>1</sup>	Import price per pound <sup>1</sup>
	<i>Pounds</i>	<i>Pounds</i>	<i>Dollars</i>	<i>Cents</i>
1915.....		7,919,992	498,897	6.3
1916.....	8,421,973	10,376,641	984,899	9.4
1917.....	8,342,350	12,319,111	1,843,492	14.9
1918.....	11,338,484	12,133,855	1,765,653	14.5
1919.....	14,407,394	8,125,175	959,995	-----
1920.....	11,526,000	<sup>2</sup> 21,238,822	2,431,666	11.5
1921.....	8,076,300	9,717,238	842,753	8.7
1922.....	6,927,000	14,342,498	1,367,828	9.5
1923.....	14,548,000	26,489,992	4,409,744	16.6
1924.....	20,759,000	17,749,985	1,384,661	7.8
1925.....	16,660,000	18,803,816	1,573,335	8.4
1926.....	16,953,000	26,281,126	2,851,537	8.5
1927.....	18,033,000	24,209,504	3,119,668	12.9
1928.....	22,151,000	28,728,422	3,677,941	12.8
1929.....	30,537,000	27,583,339	3,323,130	12.0
1930.....	41,965,000	18,499,656	1,919,898	10.4
1931.....	35,335,000	3,503,219	143,270	4.1
1932.....	24,428,000	1,201,014	38,466	3.2

Foreign Commerce and Navigation reports.

<sup>1</sup> Imports, values, and prices are for fiscal year ended June 30, 1919, inclusive.<sup>2</sup> All figures are for calendar year 1920 and thereafter.

TABLE 111.—*Condensed milk*<sup>1</sup>: *Stocks in United States by months*

Month	1928	1929	1930	1931	1932	1933
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	33, 130	22, 563	49, 068	37, 324	20, 436	19, 661
February.....	29, 074	16, 663	45, 214	32, 522	17, 421	16, 013
March.....	25, 559	14, 288	39, 166	29, 222	15, 398	13, 403
April.....	24, 143	15, 310	38, 072	29, 500	14, 874	11, 387
May.....	30, 253	23, 847	41, 200	28, 331	17, 162	11, 386
June.....	39, 112	40, 455	55, 326	39, 056	24, 613	18, 444
July.....	56, 342	57, 261	64, 228	42, 990	33, 842	28, 265
August.....	51, 191	64, 640	65, 343	40, 291	34, 081	28, 829
September.....	50, 152	61, 359	56, 640	37, 505	32, 845	-----
October.....	45, 441	59, 932	51, 042	31, 356	29, 213	-----
November.....	38, 378	56, 741	46, 615	27, 296	24, 636	-----
December.....	33, 622	51, 640	41, 542	23, 738	22, 179	-----

<sup>1</sup> Sweetened, whole and skim, case and bulk.TABLE 112.—*Evaporated milk*<sup>1</sup>: *Stocks in United States, by months*

Month	1928	1929	1930	1931	1932	1933
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	140, 494	153, 635	212, 180	202, 070	132, 011	100, 092
February.....	118, 700	137, 312	176, 134	157, 152	127, 883	107, 154
March.....	93, 755	117, 259	153, 396	136, 896	116, 859	101, 085
April.....	76, 156	112, 110	146, 825	150, 931	101, 388	50, 571
May.....	94, 608	127, 112	162, 221	177, 754	117, 687	36, 975
June.....	119, 536	160, 926	199, 334	230, 739	164, 421	48, 127
July.....	188, 131	223, 479	227, 201	275, 280	212, 431	104, 088
August.....	180, 941	282, 205	258, 836	275, 931	225, 897	131, 987
September.....	161, 706	273, 436	244, 969	181, 745	190, 912	-----
October.....	166, 071	250, 163	218, 486	136, 408	176, 197	-----
November.....	165, 227	244, 231	224, 486	129, 802	146, 204	-----
December.....	158, 476	232, 167	211, 828	139, 844	139, 957	-----

<sup>1</sup> Unsweetened, whole and skim, case and bulk.<sup>2</sup> Beginning with May 1930 bulk goods are omitted.



TABLE 113.—*Dry skim milk: Total stocks in manufacturer's hands on the first of each month*

Month	1928	1929	1930	1931	1932	1933
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	4, 539	10, 837	28, 066	35, 071	21, 789	15, 465
February.....	7, 288	11, 794	27, 503	37, 416	23, 433	15, 300
March.....	8, 216	11, 525	24, 330	38, 390	23, 423	14, 707
April.....	8, 450	12, 892	24, 081	38, 564	22, 572	13, 461
May.....	10, 875	15, 527	23, 308	37, 671	21, 716	11, 703
June.....	14, 245	21, 264	23, 958	39, 608	22, 051	11, 797
July.....	18, 432	27, 800	26, 087	38, 113	23, 010	10, 510
August.....	18, 542	30, 732	26, 580	33, 412	23, 390	10, 478
September.....	16, 973	29, 843	28, 293	32, 133	20, 541	-----
October.....	16, 167	27, 649	27, 722	23, 453	17, 779	-----
November.....	13, 671	26, 596	28, 759	20, 754	16, 467	-----
December.....	11, 309	26, 313	32, 223	20, 829	15, 478	-----

Bureau of Agricultural Economics.  
Bulk, packed in barrels.

TABLE 114.—*Condensed milk: Apparent consumption in the United States, by months*

Month	1927	1928	1929	1930	1931	1932
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	27, 249	25, 300	30, 789	29, 654	26, 550	21, 444
February.....	23, 677	26, 560	24, 491	28, 546	23, 815	18, 725
March.....	25, 067	28, 440	26, 935	29, 078	23, 192	19, 039
April.....	26, 340	23, 453	27, 882	30, 978	24, 327	20, 772
May.....	24, 273	26, 706	31, 422	22, 879	16, 254	15, 959
June.....	25, 906	22, 514	34, 072	26, 558	21, 551	15, 585
July.....	25, 792	29, 595	29, 267	26, 290	25, 550	16, 112
August.....	23, 666	23, 029	30, 659	29, 655	23, 901	17, 084
September.....	25, 118	27, 475	24, 326	24, 907	26, 594	21, 566
October.....	27, 264	25, 886	28, 077	30, 011	26, 735	23, 457
November.....	25, 851	16, 811	24, 228	25, 404	21, 974	16, 678
December.....	28, 401	31, 070	23, 444	25, 646	21, 211	18, 557
Total.....	308, 606	306, 839	335, 592	328, 606	281, 659	224, 978

Sweetened, unsweetened, case and bulk.

TABLE 115.—*Evaporated milk: Apparent consumption in the United States, by months*

Month	1927	1928	1929	1930	1931	1932
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
January.....	103, 150	117, 242	117, 296	141, 211	160, 958	99, 544
February.....	99, 046	130, 738	122, 178	128, 048	143, 380	112, 305
March.....	124, 067	144, 981	132, 656	136, 277	131, 144	139, 324
April.....	131, 044	124, 188	153, 128	136, 815	137, 673	129, 841
May.....	140, 751	151, 854	188, 739	<sup>1</sup> 164, 386	151, 471	140, 689
June.....	140, 249	139, 413	188, 683	184, 639	158, 874	140, 565
July.....	117, 793	171, 958	148, 156	148, 545	150, 276	141, 776
August.....	108, 717	150, 330	156, 373	151, 999	208, 721	167, 068
September....	106, 022	140, 832	141, 702	140, 788	145, 218	125, 176
October.....	100, 039	93, 626	107, 421	112, 735	118, 921	132, 813
November.....	104, 756	80, 789	98, 706	117, 150	86, 264	96, 159
December.....	98, 774	90, 193	115, 418	121, 505	106, 557	138, 455
Total....	1,374,408	1,500,144	1,679,456	1,684,498	1,699,457	1,563,715

<sup>1</sup> Bulk evaporated omitted May 1930 and thereafter.

Unsweetened, case and bulk.

TABLE 116.—*Milk—condensed, evaporated, and dry: Exports and imports of United States*

Year	Domestic exports			General imports		
	Con- densed	Evapo- rated	Dry	Con- densed	Evapo- rated	Dry
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
1927.....	34, 981	68, 047	3, 326	506	2, 117	6, 828
1928.....	38, 625	76, 789	4, 016	1, 132	1, 478	3, 895
1929.....	41, 243	68, 943	5, 342	620	2, 014	4, 186
1930.....	29, 648	60, 811	6, 223	1, 401	211	2, 603
1931.....	19, 324	55, 761	12, 790	619	626	1, 131
1932.....	11, 502	39, 305	3, 577	699	489	583

Compiled from official records of the Bureau of Foreign and Domestic Commerce.

TABLE 117.—*Condensed milk: Wholesale prices per case of 4 dozen 14-ounce cans*

Month	1920	1921	1922	1923	1924	1925	1926
	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>
January.....	8.57	9.41	5.70	6.15	6.36	5.89	6.02
February.....	8.77	8.04	5.29	6.19	6.36	5.95	6.01
March.....	8.70	7.97	5.21	6.15	6.29	5.88	6.01
April.....	8.74	7.80	5.16	6.14	6.10	5.83	6.02
May.....	9.17	6.85	5.17	6.20	6.10	5.82	5.99
June.....	10.10	6.21	5.24	6.31	5.95	5.91	6.00
July.....	10.12	6.26	5.24	6.37	5.76	5.95	6.00
August.....	10.21	6.28	5.30	6.36	5.76	5.92	5.98
September.....	10.10	6.18	5.44	6.35	5.75	6.01	5.88
October.....	9.58	6.21	5.83	6.40	5.70	6.00	6.02
November.....	9.55	5.74	6.07	6.38	5.75	6.02	6.00
December.....	9.39	5.68	6.10	6.36	5.77	6.02	6.02
Average.....	9.42	6.89	5.48	6.28	5.97	5.93	6.00

  

Month	1927	1928	1929	1930	1931	1932	1933
	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>
January.....	6.01	6.29	6.22	6.14	6.03	4.98	4.93
February.....	5.92	6.18	6.23	6.13	5.61	4.94	4.93
March.....	5.93	6.17	6.19	6.11	5.86	4.93	4.93
April.....	5.92	6.18	6.19	6.10	5.72	4.93	4.93
May.....	5.94	6.15	6.21	6.18	5.74	4.89	4.93
June.....	6.03	6.16	6.19	6.09	5.73	4.76	4.93
July.....	6.12	6.20	6.18	5.91	5.39	4.73	4.94
August.....	6.23	6.28	6.14	6.14	5.63	4.75	4.94
September.....	6.28	6.23	6.14	6.14	5.58	4.93	-----
October.....	6.28	6.23	6.14	6.13	5.48	4.93	-----
November.....	6.30	6.22	6.14	6.34	5.62	4.93	-----
December.....	6.29	6.23	6.14	6.15	5.62	4.93	-----
Average.....	6.10	6.21	6.18	6.13	5.67	4.89	-----

Bureau of Agricultural Economics.  
Weighted average for United States.

TABLE 118.—*Evaporated Milk: Average wholesale selling price per case of 48 cans*<sup>1</sup>

	1920	1921	1922	1923	1924	1925	1926
	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>
January.....	6.33	5.60	4.25	4.61	4.52	4.04	4.34
February.....	5.64	5.57	3.91	4.59	4.53	4.06	4.31
March.....	5.12	5.61	3.88	4.56	4.47	4.09	4.26
April.....	5.14	5.57	3.81	4.57	4.27	4.07	4.27
May.....	5.50	5.23	3.86	4.49	4.18	4.12	4.28
June.....	5.98	4.84	3.89	4.62	3.97	4.23	4.26
July.....	6.30	4.78	3.89	4.60	3.89	4.31	4.27
August.....	6.28	4.83	3.91	4.59	3.89	4.33	4.28
September.....	6.26	4.83	4.03	4.58	3.87	4.35	4.32
October.....	5.89	4.80	4.36	4.58	3.80	4.39	4.31
November.....	5.62	4.43	4.50	4.55	3.87	4.36	4.32
December.....	5.51	4.35	4.62	4.53	3.96	4.44	4.35
Average.....	5.55	5.04	4.08	4.57	4.10	4.23	4.30

  

	1927	1928	1929	1930	1931	1932	1933
	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>	<i>Dolls.</i>
January.....	4.34	4.50	4.39	3.86	3.38	2.81	2.44
February.....	4.34	4.27	4.38	3.83	3.24	2.79	2.38
March.....	4.34	4.26	4.24	3.77	3.18	2.55	2.08
April.....	4.38	4.23	4.16	3.74	3.16	2.58	2.21
May.....	4.43	4.27	4.12	3.73	3.03	2.34	2.47
June.....	4.40	4.23	4.15	3.60	3.00	2.30	2.51
July.....	4.51	4.30	4.10	3.60	2.85	2.09	2.53
August.....	4.51	4.36	3.90	3.62	2.75	2.12	2.54
September.....	4.50	4.39	3.90	3.62	2.79	2.16	-----
October.....	4.51	4.41	3.88	3.62	2.85	2.16	-----
November.....	4.52	4.40	3.88	3.62	2.85	2.17	-----
December.....	4.50	4.40	3.88	3.58	2.85	2.42	-----
Average.....	4.44	4.34	4.08	3.68	2.99	2.37	-----

Bureau of Agricultural Economics.

<sup>1</sup> Previous to February, 1931, 16-oz. cans; since February 1931, 14½-oz. cans.



TABLE 119.—*Cattle: Number in various countries*

Country	1926	1927	1928	1929	1930	1931
	<i>Thou- sands</i>	<i>Thou- sands</i>	<i>Thou- sands</i>	<i>Thou- sands</i>	<i>Thou- sands</i>	<i>Thou- sands</i>
India <sup>1</sup> .....	184, 108	185, 931	184, 555	185, 010	197, 836	-----
U.S.S.R. (Russia)....	63, 025	68, 158	70, 700	67, 200	53, 800	-----
United States.....	59, 977	57, 528	56, 701	57, 878	59, 730	60, 987
Germany.....	17, 202	17, 221	18, 011	18, 414	18, 033	18, 431
France.....	14, 373	14, 482	14, 941	15, 005	15, 631	15, 467
Poland.....	-----	8, 602	-----	9, 057	9, 400	9, 782
Canada.....	8, 571	9, 172	8, 793	8, 825	8, 973	-----
England and Wales...	6, 253	6, 275	6, 026	5, 958	5, 850	6, 064
Czechoslovakia.....	4, 690	-----	-----	-----	-----	4, 485
Australia.....	13, 280	11, 963	11, 617	11, 301	11, 202	-----
Sweden.....	-----	2, 898	-----	-----	3, 060	-----
Rumania <sup>1</sup> .....	5, 219	4, 992	4, 537	4, 442	4, 355	4, 011
Yugoslavia <sup>1</sup> .....	3, 738	3, 760	3, 686	3, 765	-----	3, 850
Denmark.....	2, 838	2, 913	3, 016	3, 036	3, 057	3, 197
New Zealand.....	3, 452	3, 258	3, 274	3, 446	3, 766	-----
Austria.....	-----	-----	-----	-----	2, 313	-----
Irish Free State.....	3, 947	4, 047	4, 125	4, 137	4, 038	4, 029
Netherlands.....	-----	-----	-----	-----	2, 366	-----
Finland.....	1, 860	1, 872	1, 917	1, 903	-----	-----
Hungary.....	1, 847	1, 805	1, 812	1, 819	1, 785	1, 814
Chile.....	-----	-----	-----	-----	2, 388	-----
Switzerland.....	1, 578	-----	-----	-----	-----	1, 609
Belgium.....	1, 655	1, 712	1, 739	1, 751	1, 738	1, 759
Norway.....	1, 200	1, 209	1, 221	1, 224	1, 251	1, 310
Latvia.....	955	967	961	978	1, 026	1, 117
Lithuania.....	1, 396	1, 128	1, 199	1, 160	1, 170	-----
Scotland.....	1, 198	1, 210	1, 214	1, 233	1, 233	1, 208
Estonia.....	599	634	651	604	627	-----
Greece <sup>1</sup> .....	890	964	947	955	874	-----
North Ireland.....	667	697	738	700	673	680

Official sources and International Yearbook of Agriculture.

<sup>1</sup> Includes buffaloes.

TABLE 120.—*Dairy cows or cows: Number in various countries*

Country	1926	1927	1928	1929	1930	1931
	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>	<i>Thou-</i> <i>sands</i>
India <sup>1</sup>					72,442	
U.S.R.R. (Russia)		22,789	32,632	32,181	28,327	
United States	22,311	22,159	22,129	22,330	22,910	23,576
Germany	9,958	10,082	10,288	10,356	10,442	10,574
France	7,590	7,701	7,971	8,118	8,196	8,288
Poland		6,742		7,199	7,405	7,741
Canada	3,839	3,894	3,793	3,685	3,683	3,513
England and Wales	2,749	2,790	2,723	2,712	2,675	2,790
Czechoslovakia					2,989	3,010
Australia	2,382	2,435	2,423	2,367	2,465	2,524
Sweden		1,874			2,033	2,037
Rumania <sup>1</sup>	2,237	2,153	2,094	2,025	2,047	2,036
Yugoslavia					1,717	1,755
Denmark	1,480	1,514	1,541	1,584	1,633	1,676
New Zealand	1,304	1,303	1,352	1,371	1,441	1,602
Austria					1,354	
Irish Free State	1,282	1,331	1,315	1,307	1,312	1,300
Netherlands					1,299	
Finland	1,292	1,283	1,302	1,220	1,269	
Hungary	1,047	1,049	1,050	1,056	1,050	1,047
Chile					997	
Switzerland	976					971
Belgium	856	892	902	908	912	926
Norway	783	791		755	763	777
Latvia				721	728	745
Lithuania	917	748	690	692	696	693
Scotland	457	460	448		453	
Estonia	380	387	404	407	416	428
Greece	276	314	308	303	294	275
North Ireland	260	270	274	264	256	260

Official sources and International Yearbook of Agricultural Statistics.

<sup>1</sup> Includes buffaloes.

TABLE 121.—*Whole milk: Production in various countries*

Country	1926	1927	1928	1929	1930	1931
	<i>1,000</i> <i>pounds</i>	<i>1,000</i> <i>pounds</i>	<i>1,000</i> <i>pounds</i>	<i>1,000</i> <i>pounds</i>	<i>1,000</i> <i>pounds</i>	<i>1,000</i> <i>pounds</i>
Australia <sup>1</sup>	7,889,282	7,649,633	8,183,001	8,317,567	8,450,914	9,493,936
Switzerland <sup>2</sup>	6,074,996	5,948,011	6,208,154	5,925,965	5,756,211	5,729,314
Sweden <sup>3</sup>	3,604,598	3,861,615	3,924,237	4,386,001		

Official sources unless otherwise indicated.

<sup>1</sup> Year ending June 30.

<sup>2</sup> International Yearbook of Agricultural Statistics.

<sup>3</sup> Includes deliveries to dairies.

TABLE 122.—*Cheese: Production in various countries*

Country	1926	1927	1928	1929	1930	1931
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Netherlands.....	270,067	277,563	291,452	297,184	<sup>1</sup> 301,894	<sup>1</sup> 292,841
Canada.....	171,732	138,057	144,585	118,746	119,105	113,704
New Zealand.....	170,259	175,199	173,610	199,611	199,575	208,076
Switzerland.....	155,984	144,600	157,034	134,922	124,339	112,435
Sweden.....	47,456	51,153	54,623	62,066	-----	-----
Argentina <sup>1</sup> .....	33,333	35,660	36,667	34,118	33,718	32,589
Australia <sup>2</sup> .....	28,799	26,679	31,535	30,217	<sup>1</sup> 30,173	<sup>1</sup> 33,099
Finland.....	11,658	9,231	9,852	10,109	<sup>1</sup> 10,291	<sup>3</sup> 10,456
Union of South Africa...	6,466	6,234	5,802	6,590	7,663	9,811

Official sources unless otherwise indicated.

<sup>1</sup> International Yearbook of Agricultural Statistics.

<sup>2</sup> Year ending June 30.

<sup>3</sup> Consular report.

TABLE 123.—*Condensed and evaporated milk: Production in various countries*

Country	1926	1927	1928	1929	1930	1931
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Switzerland <sup>1</sup> .....	88,404	97,223	99,207	97,443	88,184	95,900
Canada.....	80,292	89,873	87,304	89,969	90,133	64,289
Australia <sup>1</sup> <sup>3</sup> .....	58,224	59,181	<sup>3</sup> 53,877	<sup>3</sup> 53,949	<sup>3</sup> 51,582	<sup>3</sup> 45,665
Japan.....	23,439	23,996	22,157	24,063	33,979	-----

Official sources unless otherwise indicated.

<sup>1</sup> Including dry milk.

<sup>2</sup> Year ending June 30.

<sup>3</sup> Victoria only

TABLE 124.—*Butter: Production in various countries*

Country	1926	1927	1928	1929	1930	1931
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
U.S.S.R. (Russia)-----			898,705			
Denmark-----	335,099	357,145	365,964	394,623	418,874	425,489
Australia-----	273,310	252,527	280,033	289,879	299,076	350,400
Canada <sup>1</sup> -----	277,209	271,979	258,027	258,810	282,251	330,595
New Zealand-----	195,052	<sup>2</sup> 194,502	227,332	224,511	262,306	261,945
Belgium-----					135,561	136,332
Netherlands-----	183,717	187,636	188,022	191,171	192,333	
Norway-----	73,969		72,727			
Argentina-----	76,049	64,323	67,136	61,474	74,005	80,312
Finland-----	<sup>3</sup> 44,313	<sup>3</sup> 49,163	46,810	53,417	59,032	
Switzerland-----	29,763	28,660	32,629	34,612	37,478	35,274
Sweden <sup>4</sup> -----	84,844	92,681	91,026	105,596		
Latvia-----	<sup>3</sup> 22,708	<sup>3</sup> 24,471	28,934	34,477	42,052	44,159
British South Africa <sup>5</sup> -----	24,408	24,336	23,767	25,623	29,488	
Estonia <sup>3</sup> -----	21,385	24,030	26,896	30,203		
Chile-----	2,328	3,320			7,727	
Japan-----	2,205	3,886	3,891	3,018	4,617	

International Yearbook except as noted.

<sup>1</sup> Monthly Crop Report and Agricultural Statistics 1932, p. 787.

<sup>2</sup> New Zealand Yearbook, 1931. Factory butter only.

<sup>3</sup> Monthly Crop Report and Agricultural Statistics, 1930, p. 611.

<sup>4</sup> Statistisk Årsbok, 1931, p. 94.

<sup>5</sup> Official Yearbook of the Union of South Africa, 1930-31.



TABLE 125.—*Butter: Imports of various countries*

Country	Average 1923- 1927	1927	1928	1929	1930	1931
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
United Kingdom.....	598,667	625,144	666,231	702,749	744,623	863,365
Germany.....	157,612	238,683	279,000	298,821	293,557	220,946
Switzerland.....	18,063	18,727	18,061	16,650	18,795	23,359
United States.....	13,369	8,460	4,659	2,773	2,472	1,882
Belgium.....	9,684	2,559	2,917	9,602	22,630	41,560
France.....	9,212	10,854	5,217	8,776	12,922	40,837
Dutch East Indies.....	8,204	9,170	11,086	11,098	10,910	11,787
Irish Free State <sup>1</sup> .....	7,369	4,836	5,879	4,478	3,342	3,324
Canada.....	4,875	11,209	16,802	35,928	38,606	2,821
Austria.....	3,744	4,220	1,785	1,099	544	1,565
Netherlands.....	3,689	4,042	5,123	4,469	4,396	8,886
Australia.....	3,099	7,161	6,975	1	4	3
Czechoslovakia.....	3,096	1,683	990	835	716	4,107
Norway.....	2,690	2,511	1,532	1,352	1,529	380
Egypt.....	2,360	2,552	1,774	2,158	2,935	2,521
Cuba.....	2,286	1,878	1,204	992	448	207
Union of South Africa.....	2,194	2,920	3,921	1,604	1,690	1,244
Denmark.....	2,006	1,826	1,621	1,424	1,388	1,596
Algeria.....	1,657	2,124	2,496	2,465	4,592	4,635
China.....	1,648	1,530	1,945	1,372	1,417	1,468
Peru.....	1,618	1,441	2,116	1,484	623	-----
British Malaya <sup>1</sup> .....	1,571	1,763	2,196	1,930	2,067	1,863
Trinidad and Tobago <sup>2</sup> .....	1,098	1,344	823	1,524	1,058	1,086
Philippine Islands.....	1,081	1,072	1,412	1,338	1,188	1,758
Sweden.....	1,056	63	93	24	19	39
Greece.....	920	1,625	1,172	1,537	1,420	2,060
Italy.....	805	2,085	3,565	1,937	3,130	6,203
Poland <sup>1</sup> .....	478	141	77	112	30	32
Hungary.....	349	486	543	144	39	117
Spain.....	332	337	466	409	328	122
Finland.....	64	2	3	3	8	-----
Argentina.....	8	3	7	2	7	6

Official sources unless otherwise indicated.

<sup>1</sup> 4-year average.<sup>2</sup> Includes butter substitutes.

TABLE 126.—*Butter: Exports of various countries*

Country	Average 1923-27	1927	1928	1929	1930	1931
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Denmark.....	279, 340	315, 721	325, 710	350, 616	372, 553	378, 423
New Zealand.....	143, 102	163, 020	162, 352	185, 226	211, 035	222, 719
Australia.....	92, 823	76, 516	99, 165	102, 443	107, 663	163, 181
Netherlands.....	84, 616	105, 714	103, 485	104, 323	92, 393	72, 660
Russia <sup>1</sup> .....	62, 228	71, 747	71, 888	55, 933	23, 197	68, 023
Argentina.....	59, 449	46, 808	44, 182	37, 547	51, 156	51, 167
Irish Free State <sup>2</sup> .....	54, 459	65, 576	62, 623	62, 774	58, 766	42, 307
Sweden.....	22, 328	40, 707	38, 679	54, 960	58, 805	43, 045
Finland.....	24, 821	33, 238	29, 488	36, 610	37, 726	38, 367
Latvia <sup>1</sup> .....	20, 614	23, 724	28, 673	32, 694	40, 631	41, 310
Canada.....	14, 935	2, 696	1, 995	1, 400	1, 180	10, 681
Estonia.....	13, 482	21, 839	24, 741	27, 247	31, 010	31, 844
France.....	13, 120	21, 039	22, 227	14, 945	10, 722	11, 037
Poland <sup>2</sup> .....	7, 423	16, 261	24, 194	33, 248	26, 713	27, 470
United States.....	5, 854	4, 343	3, 898	3, 724	2, 954	1, 984
Italy.....	5, 167	2, 805	1, 779	1, 941	1, 851	1, 289
United Kingdom.....	1, 833	1, 703	1, 395	1, 096	1, 115	869
Belgium.....	1, 298	2, 957	3, 712	2, 909	2, 647	2, 756
Yugoslavia.....	580	769	482	635	655	668
Union of South Africa.....	512	334	393	2, 337	2, 904	4, 521
Spain.....	422	303	170	177	160	88
Hungary.....	346	386	426	1, 190	3, 431	4, 066
Austria.....	273	440	1, 094	2, 211	4, 111	2, 861
Norway.....	255	25	82	1, 191	236	1, 629
Czechoslovakia.....	219	369	1, 296	716	694	662
Germany.....	193	190	281	337	578	261
British Malaya <sup>2</sup> .....	182	153	181	177	193	109
Switzerland.....	148	159	150	158	40	14
Egypt.....	63	85	51	30	23	77
Algeria.....	41	48	41	64	81	78

Official sources unless otherwise indicated.

<sup>1</sup> 3-year average.<sup>2</sup> 4-year average.

TABLE 127.—*Cheese: Imports of various countries*

Country	Average 1923-27	1927	1928	1929	1930	1931
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
United Kingdom.....	324, 380	325, 891	333, 182	331, 744	345, 227	319, 916
Germany.....	116, 931	158, 740	135, 530	146, 569	137, 458	120, 403
United States.....	68, 842	79, 796	81, 403	76, 382	68, 311	61, 991
Belgium.....	36, 988	36, 538	39, 148	46, 399	52, 049	49, 600
France.....	36, 815	36, 856	36, 694	42, 899	55, 036	82, 810
Austria.....	8, 630	7, 553	6, 401	5, 716	5, 636	5, 794
Italy.....	7, 859	13, 123	10, 206	13, 975	12, 562	10, 115
Algeria.....	7, 034	6, 849	8, 821	8, 449	10, 464	11, 346
Egypt.....	6, 541	6, 740	7, 085	6, 526	7, 494	7, 311
Spain.....	6, 495	7, 576	8, 667	6, 970	5, 835	3, 866
Cuba.....	5, 157	5, 210	4, 163	4, 484	2, 867	1, 378
Switzerland.....	3, 513	3, 638	3, 396	3, 437	4, 238	8, 470
Greece.....	3, 251	<sup>1</sup> 9, 735	2, 298	<sup>1</sup> 3, 314	2, 301	3, 959
Canada.....	3, 205	1, 721	1, 779	2, 104	1, 788	1, 446
Argentina.....	2, 993	3, 228	4, 344	4, 001	3, 777	1, 659
Irish Free State <sup>2</sup> .....	2, 642	2, 414	2, 449	2, 409	2, 359	2, 689
Sweden.....	2, 102	1, 522	1, 501	1, 413	1, 473	1, 691
Czechoslovakia.....	1, 989	2, 534	2, 625	3, 348	2, 961	3, 776
Mexico.....	1, 732	1, 548	1, 714	<sup>1</sup> 1, 744	<sup>1</sup> 1, 230	( <sup>3</sup> )
Dutch East Indies.....	1, 549	1, 997	1, 938	2, 347	2, 161	2, 107
Norway.....	1, 417	1, 452	1, 094	841	749	562
Hungary <sup>2</sup> .....	1, 321	1, 733	1, 782	1, 536	955	496
Tunis.....	1, 146	1, 314	1, 430	1, 683	1, 764	1, 943
British India.....	1, 146	1, 332	1, 218	1, 257	1, 148	899
Australia <sup>1</sup> .....	1, 111	1, 790	2, 084	515	458	30
Netherlands.....	1, 058	1, 284	1, 484	1, 445	1, 509	1, 346
Brazil.....	988	1, 395	1, 763	1, 555	1, 246	575
Denmark.....	948	1, 102	864	647	808	603
Union of South Africa.....	541	537	734	669	450	303
Yugoslavia.....	183	389	325	370	297	243
Finland.....	37	34	39	44	35	33
Bulgaria <sup>2</sup> .....	28	19	15	11	5	5

Official sources unless otherwise indicated.

<sup>1</sup> International Yearbook of Agricultural Statistics.

<sup>2</sup> 4-year average.

<sup>3</sup> Not available.

TABLE 128.—*Cheese: Exports of various countries*

Country	Average 1923-27	1927	1928	1929	1930	1931
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
Netherlands.....	176, 596	214, 565	202, 999	211, 234	206, 735	190, 457
New Zealand.....	165, 022	167, 193	175, 534	199, 258	203, 054	183, 271
Canada.....	126, 720	110, 533	114, 153	92, 946	80, 164	84, 788
Italy.....	70, 776	70, 078	80, 466	72, 454	80, 973	89, 045
Switzerland.....	54, 316	75, 058	62, 695	69, 726	66, 143	54, 305
France.....	28, 771	25, 595	35, 122	34, 110	32, 694	33, 259
Denmark.....	15, 458	11, 644	13, 417	14, 513	12, 626	9, 383
Czechoslovakia.....	6, 718	8, 463	7, 922	7, 052	8, 274	10, 981
Yugoslavia.....	6, 323	5, 826	4, 132	4, 937	4, 583	4, 197
Australia.....	6, 023	3, 644	6, 927	8, 331	3, 089	8, 595
Finland.....	5, 969	6, 502	3, 634	4, 836	4, 682	5, 777
United States.....	5, 827	3, 410	2, 600	2, 645	1, 964	1, 673
Argentina.....	3, 576	1, 224	763	796	744	1, 055
United Kingdom.....	2, 419	5, 363	5, 852	6, 388	5, 579	4, 047
Germany.....	1, 969	3, 160	3, 664	4, 919	5, 411	7, 372
Hungary.....	1, 751	2, 609	1, 398	1, 703	1, 846	920
Bulgaria.....	1, 522	5, 790	1, 932	2, 642	2, 466	3, 141
Belgium.....	1, 346	1, 001	914	892	875	813
Austria.....	970	1, 387	2, 461	2, 936	4, 493	6, 235
Norway.....	757	894	927	1, 347	1, 380	2, 839
Russia.....	487	<sup>1</sup> 1, 847	<sup>1</sup> 1, 922	<sup>1</sup> 3, 091	<sup>1</sup> 697	110
Sweden.....	468	574	145	263	550	102
Irish Free State <sup>2</sup> .....	410	212	133	124	169	174
Union of South Africa.....	291	431	298	404	1, 954	2, 186
Algeria.....	217	210	185	193	212	216
Mexico.....	132	130	<sup>1</sup> 125	<sup>1</sup> 135	56	23
Egypt.....	130	176	155	195	121	129
Spain.....	100	73	91	67	207	237
Tunis.....	27	14	47	13	28	24
British India <sup>2</sup> .....	5	4	6	7	7	6
Cuba.....	4	3	12	6	10	7

Official sources unless otherwise indicated.

<sup>1</sup> International Yearbook of Agricultural Statistics.

<sup>2</sup> 4-year average.



TABLE 129.—*Milk, condensed and evaporated: Imports of various countries*

Country	Average 1923-27	1927	1928	1929	1930	1931
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
United Kingdom.....	260,302	283,789	301,978	296,501	291,010	380,979
Cuba.....	48,016	50,586	44,340	46,492	38,767	16,433
Dutch East Indies.....	22,045	26,149	30,875	34,990	33,416	28,695
Philippine Islands.....	21,479	25,974	26,524	29,875	29,077	35,253
Germany <sup>1</sup> .....	17,893	13,434	13,290	8,264	4,351	1,966
France.....	17,502	11,299	12,271	12,975	14,965	17,610
British India.....	15,030	24,933	26,354	27,436	27,261	21,531
Japan.....	10,809	9,510	8,411	8,865	8,396	7,679
Union of South Africa.....	10,620	11,330	12,020	12,132	4,310	2,510
China.....	10,422	11,095	14,643	13,285	11,353	10,026
Peru.....	8,034	7,629	8,444	8,667	7,708	( <sup>2</sup> )
Greece <sup>3</sup> .....	5,504	7,052	8,043	7,879	7,218	6,178
Indo-China <sup>4</sup> .....	5,206	5,955	6,792	8,245	7,321	<sup>3</sup> 7,399
Austria <sup>5</sup> .....	5,187	1,105	1,205	1,247	1,384	1,802
United States.....	5,152	2,624	2,608	2,634	1,611	1,245
Siam <sup>6</sup> .....	4,764	7,847	8,827	8,447	8,311	9,692
Jamaica <sup>8</sup> .....	3,677	4,103	4,614	5,084	5,129	5,988
Algeria <sup>4</sup> .....	3,054	3,684	4,910	4,086	6,056	7,222
Trinidad and Tobago.....	2,572	3,132	3,706	3,850	4,130	4,533
Tunis.....	2,020	2,644	2,707	2,692	3,118	<sup>7</sup> 3,270
Irish Free State <sup>4</sup> .....	1,991	1,494	1,282	1,116	416	734
Egypt.....	1,439	1,395	1,347	1,525	1,808	1,780
Belgium.....	1,380	998	1,296	993	1,420	<sup>8</sup> 6,327
Brazil.....	1,323	1,947	1,355	1,252	1,204	494
Argentina.....	1,224	1,446	1,353	1,578	1,550	1,049
Czechoslovakia.....	1,174	214	173	222	281	251
Poland.....	1,094	264	464	385	267	239
Italy.....	933	1,335	1,728	2,124	1,761	1,461
Norway.....	930	747	646	323	111	154
Netherlands.....	271	278	359	139	695	1,328
Canada.....	146	125	137	179	164	148
Australia <sup>4 8</sup> .....	93	167	29	41	36	9
Switzerland.....	89	11	14	13	15	18
New Zealand <sup>5</sup> .....	28	3	3	7	1	9
Denmark.....	16	14	13	2	6	1

Official sources unless otherwise indicated.

<sup>1</sup> Includes some powdered milk.

<sup>2</sup> Not available.

<sup>3</sup> International Yearbook of Agricultural Statistics.

<sup>4</sup> 4-year average.

<sup>5</sup> Includes powdered milk.

<sup>6</sup> Year ending Mar. 31.

<sup>7</sup> Includes some sterilized milk.

<sup>8</sup> Year ending June 30.

TABLE 130.—*Milk, condensed and evaporated: Exports of various countries*

Country	Average 1923-27	1927	1928	1929	1930	1931
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
Netherlands.....	265,563	324,800	354,572	378,059	393,151	415,432
United States.....	153,177	103,028	115,551	110,185	90,459	75,085
Switzerland.....	67,356	81,234	82,252	78,475	72,660	63,432
Denmark.....	61,715	55,304	52,597	54,934	51,916	49,233
Canada.....	37,776	33,680	27,118	26,746	20,471	14,458
Australia <sup>1 2</sup> .....	19,356	15,517	18,647	21,837	13,242	9,938
Norway.....	17,482	16,698	18,747	15,534	13,447	11,170
United Kingdom.....	16,327	27,771	25,046	27,732	22,441	14,904
Italy.....	11,530	8,905	7,093	4,629	5,141	6,374
France.....	6,853	9,454	12,483	10,204	13,127	14,074
Irish Free State <sup>2</sup> .....	6,186	6,302	10,747	10,503	9,720	6,565
New Zealand.....	1,355	1,557	1,367	2,175	2,331	1,004
Belgium <sup>3</sup> .....	1,082	2,615	3,516	4,368	7,389	9,542
Germany <sup>4</sup> .....	1,048	980	1,477	4,235	6,772	2,839
Czechoslovakia.....	578	315	366	199	280	293
Egypt.....	236	351	368	504	123	-----
Austria <sup>3</sup> .....	234	254	349	371	676	395
Japan.....	206	399	385	317	786	2,228
Indo-China <sup>2</sup> .....	194	174	<sup>5</sup> 123	<sup>5</sup> 72	<sup>5</sup> 89	<sup>5</sup> 31
Algeria <sup>2</sup> .....	125	158	205	270	1,052	77
Argentina.....	38	28	12	15	17	13
Poland.....	37	22	18	1	7	1
Union of South Africa.....	15	29	45	16	447	1,060

Official sources unless otherwise indicated.

<sup>1</sup> Year ending June 30.

<sup>2</sup> 4-year average.

<sup>3</sup> Includes powdered milk.

<sup>4</sup> Includes some powdered milk.

<sup>5</sup> International Yearbook of Agricultural Statistics.

TABLE 131.—*United Kingdom:*<sup>1</sup> *Average price per pound of first-quality domestic butter*

Month	1920	1921	1922	1923	1924	1925	1926
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	44.7	75.1	43.6	53.6	48.8	55.3	50.9
February.....	64.4	72.5	42.3	52.8	47.1	51.3	48.2
March.....	71.1	64.0	39.7	51.7	44.6	49.0	47.8
April.....	73.0	56.1	40.5	47.5	40.1	47.8	45.1
May.....	60.2	44.7	38.4	36.6	34.1	41.2	40.7
June.....	57.6	38.1	36.6	33.8	33.3	39.4	38.9
July.....	59.4	42.4	43.5	33.9	38.7	45.0	41.7
August.....	63.7	47.9	46.5	40.3	44.3	49.6	41.0
September.....	68.0	44.2	47.1	43.1	47.6	50.5	46.6
October.....	73.8	45.6	48.1	44.8	49.5	52.6	42.7
November.....	74.6	47.6	50.4	46.4	53.5	54.5	48.2
December.....	76.4	49.3	52.8	49.1	55.9	55.8	47.8
Average.....	65.6	52.3	44.1	44.5	44.8	49.3	42.0

  

Month	1927	1928	1929	1930	1931	1932	1933
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	46.8	50.1	50.3	48.0	39.7	27.1	23.7
February.....	47.2	48.5	50.2	46.8	39.4	26.3	24.1
March.....	45.4	47.5	48.8	43.8	38.5	27.1	22.2
April.....	42.7	46.3	43.7	39.3	35.2	26.6	21.3
May.....	37.6	41.3	39.8	33.8	30.4	23.0	19.9
June.....	36.4	39.5	37.6	33.5	29.0	20.6	21.0
July.....	38.3	40.8	41.8	36.5	31.2	22.0	25.8
August.....	40.4	45.1	45.0	38.6	32.8	22.4	26.9
September.....	43.0	46.4	46.5	38.3	31.2	22.2	-----
October.....	45.3	48.9	48.5	37.2	27.5	22.0	-----
November.....	47.8	50.4	48.8	37.9	27.2	22.7	-----
December.....	50.5	51.7	49.4	39.8	26.5	24.2	-----
Average.....	43.4	46.4	45.9	39.5	32.4	23.8	-----

<sup>1</sup> Compiled from Return of Market Prices, 1909, Dec. 7, 1921, and Agricultural Market Report, Ministry of Agriculture and Fisheries, Dec. 16, 1921 to date. Average of wholesale prices at country markets for weeks ended Wednesdays. Conversions at par of exchange 1909-13; at monthly average rates of exchange as quoted by Federal Reserve Board; 1926 to August 1931 at par; September 1931 to date at average monthly rate of exchange.

TABLE 132.—*Butter: Average monthly export price per pound at Copenhagen on Thursday*

Month	1920	1921	1922	1923	1924	1925	1926
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	48.9	42.4	31.1	40.5	40.0	42.0	36.5
February.....	42.1	39.3	31.0	41.3	39.5	45.4	40.2
March.....	49.2	40.4	32.9	41.0	36.9	46.1	38.8
April.....	49.8	43.9	33.8	34.5	31.3	40.6	36.2
May.....	44.2	33.5	33.5	29.5	36.4	36.9	34.8
June.....	44.8	32.4	37.0	39.3	33.4	39.4	35.7
July.....	42.4	38.3	39.4	30.7	37.8	40.5	35.4
August.....	42.9	41.1	39.1	34.7	41.1	44.2	36.1
September.....	43.6	36.4	41.1	40.3	42.3	45.7	36.6
October.....	45.7	38.3	40.7	38.9	46.1	46.5	36.3
November.....	44.7	39.9	39.9	39.4	44.2	44.6	34.9
December.....	44.0	31.8	39.7	41.4	46.8	37.8	37.1
Average.....	45.2	38.1	36.6	36.8	39.6	42.5	36.6

  

Month	1927	1928	1929	1930	1931	1932	1933,
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	36.4	35.4	39.1	34.8	26.4	16.7	12.2
February.....	39.3	37.5	39.1	35.3	29.5	19.8	12.3
March.....	36.8	40.0	35.5	31.7	27.0	16.3	11.0
April.....	35.3	36.8	32.8	27.4	24.3	15.6	10.8
May.....	32.9	35.4	33.5	26.3	23.3	13.6	11.9
June.....	33.2	34.9	35.0	27.7	23.3	13.2	12.2
July.....	32.2	36.4	35.3	30.3	23.2	14.8	14.8
August.....	35.0	38.0	35.6	29.2	24.5	14.0	-----
September.....	39.6	40.2	39.7	29.9	24.2	15.7	-----
October.....	39.4	39.5	40.5	30.1	21.2	14.7	-----
November.....	41.2	40.6	38.7	27.2	19.6	14.5	-----
December.....	38.0	42.4	35.8	27.3	18.8	13.7	-----
Average.....	36.6	38.1	36.7	29.8	23.8	15.2	-----

Compiled from Smør Tidende.

For earlier years, 1882-1913, see the U.S. Department of Agriculture Yearbook, 1923, p. 923.

Weekly quotations in kroner per 100 kg., at average monthly exchange rate as quoted by Federal Reserve Board through 1926; January 1927 to August 1931, at par; September 1931 to date at average monthly rate of exchange.



**TABLE 133.—Butter, creamery solids: Wholesale price per pound at Montreal, Canada, on 15th of each month**

Month	1921	1922	1923	1924	1925	1926
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	48	35	40	43	-----	44
February.....	49	35	45	-----	34	46
March.....	52	37	52	41	35	47
April.....	47	41	48	36	34	42
May.....	33	35	32	31	34	35
June.....	28	35	32	32	34	37
July.....	34	38	32	34	38	34
August.....	34	36	33	37	39	34
September.....	34	37	35	37	41	34
October.....	34	36	38	37	45	35
November.....	37	38	38	37	44	36
December.....	37	39	41	-----	45	40
Average.....	39	36	39	<sup>1</sup> 37	<sup>2</sup> 38	39

  

Month	1927	1928	1929	1930	1931	1932	1933
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	43	37	42	40	33	18	18
February.....	41	37	43	39	34	16	18
March.....	44	42	45	36	34	<sup>3</sup> 23	21
April.....	40	41	44	35	32	16	21
May.....	39	36	37	32	22	15	17
June.....	37	38	38	30	21	14	17
July.....	35	39	39	30	23	15	-----
August.....	37	40	40	30	24	17	-----
September.....	40	42	41	32	22	20	-----
October.....	41	41	41	33	22	19	-----
November.....	39	42	42	33	20	18	-----
December.....	39	42	42	32	20	19	-----
Aver..	40	40	41	34	25	17	-----

Monthly Bulletin of Agricultural Statistics, Canada: January 1920 to December 1924, and beginning September 1931, converted at monthly average rates of exchange, as reported by Federal Reserve Board; January 1925 to August 1931 at par.

<sup>1</sup> Average for 10 months.

<sup>2</sup> Average for 11 months.

<sup>3</sup> Beginning March 1932, classification given as "regraded, grass made, creamery solids."

**TABLE 134.**—*Butter: Average monthly price per pound of finest New Zealand at London*

Month	1926	1927	1928	1929	1930	1931	1932	1933
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January----	37.7	37.3	33.9	40.1	33.8	25.1	14.8	12.2
February----	37.9	37.3	35.6	37.6	32.7	26.1	16.3	11.8
March-----	37.5	34.0	37.6	36.3	30.0	25.6	17.7	11.5
April-----	37.6	33.2	36.7	35.8	27.4	23.8	17.7	10.9
May-----	37.8	35.0	36.2	36.1	28.1	23.8	15.8	13.7
June-----	37.9	35.5	37.5	36.8	28.8	24.0	15.9	14.8
July-----	37.0	34.7	40.2	37.2	29.6	24.7	16.5	16.5
August-----	37.6	37.0	39.8	37.4	29.0	24.4	16.8	17.8
September---	35.1	38.9	39.8	38.6	27.6	22.8	17.4	-----
October----	32.1	38.5	39.2	39.3	25.3	20.6	16.2	-----
November---	31.8	37.8	38.3	37.5	22.4	18.4	13.5	-----
December---	36.3	35.6	39.5	35.3	24.5	15.4	12.3	-----
Aver--	36.4	36.2	37.9	37.3	28.3	22.9	15.9	-----

London Grocer, Weekly. Conversions at par 1926 to 1931. Beginning September 1931, conversions made at monthly average rate of exchange.

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